Start	21279	End	27637
Name	OJ991112_03.0119.C3.o2.tm	Method	TBLASTX:Maize
Start	13100	End	13457
GI	none	Score	393
Exons	13100..13456, 13101..13457		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o1.tw	Method	TBLASTX:Wheat
Start	13326	End	13745
GI	none	Score	419
Exons	13326..13745, 13326..13601, 13532..13744		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o3.tm	Method	TBLASTX:Maize
Start	13485	End	13868
GI	none	Score	365
Exons	13485..13868, 13506..13757, 13526..13855		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o2.ts	Method	TBLASTX:Soybean
Start	13620	End	13970
GI	none	Score	261
Exons	13620..13970, 13637..13762		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o6.tw	Method	TBLASTX:Wheat
Start	13794	End	14171
GI	none	Score	117
Exons	13794..13961, 14046..14171		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o7.gs	Method	GENSCAN
Start	21279	End	23574
GI	none	Score	.74
Exons	21279..21569, 21667..21932, 22003..22430, 22457..22652, 22737..22960, 23054..23574		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o7.tw	Method	TBLASTX:Wheat
Start	21422	End	27225
GI	none	Score	59
Exons	21422..21490, 26878..26979, 26880..26996, 27001..27153, 27018..27137, 27145..27225		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3

Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o5.tm	Method	TBLASTX:Maize
Start	26239	End	26430
GI	none	Score	195
Exons	26239..26430, 26256..26423		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o1.tm	Method	TBLASTX:Maize
Start	26515	End	27479
GI	none	Score	774
Exons	26515..27432, 26538..26732, 26554..26796, 26871..27137, 27204..27479		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o4.tw	Method	TBLASTX:Wheat
Start	26581	End	26877
GI	none	Score	300
Exons	26581..26877, 26601..26807		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o1.ts	Method	TBLASTX:Soybean
Start	27082	End	27607
GI	none	Score	57
Exons	27082..27138, 27198..27419, 27208..27435, 27422..27607		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o5.tw	Method	TBLASTX:Wheat
Start	27232	End	27637
GI	none	Score	143
Exons	27232..27432, 27449..27592, 27599..27637		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6116	Strand	
Start	27680	End	28254
Name	OJ991112_03.0119.C3.o4.tm	Method	TBLASTX:Maize
Start	27680	End	28159
GI	none	Score	41
Exons	27680..27706, 27730..27906, 27776..28060, 28073..28159		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6116	Strand	
Start	27680	End	28254
Name	OJ991112_03.0119.C3.o2.tw	Method	TBLASTX:Wheat
Start	27884	End	28254
GI	none	Score	329
Exons	27884..28252, 27965..28252, 28129..28254		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4

Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o1.np	Method	AAT/NAP
Start	1	End	3788
GI	4680203	Score	1643
Exons	1..72, 642..2373, 2530..2754, 3031..3788		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o1.gs	Method	GENSCAN
Start	831	End	3983
GI	none	Score	.68
Exons	831..1065, 1333..1478, 1529..1690, 2023..3145, 3361..3983		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o2.tw	Method	TBLASTX:Wheat
Start	1137	End	1729
GI	none	Score	224
Exons	1137..1427, 1185..1316, 1295..1429, 1484..1600, 1487..1585, 1604..1729, 1621..1728		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o1.ts	Method	TBLASTX:Soybean
Start	1155	End	1427
GI	none	Score	280
Exons	1155..1427, 1172..1420		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o2.tc	Method	TBLASTX:Cress
Start	1493	End	1825
GI	none	Score	273
Exons	1493..1825, 1579..1629, 1669..1770		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o2.ts	Method	TBLASTX:Soybean
Start	1504	End	1744
GI	none	Score	204
Exons	1504..1743, 1505..1744		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o2.tm	Method	TBLASTX:Maize
Start	1589	End	1804
GI	none	Score	274
Exons	1589..1804, 1599..1760, 1603..1794		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o3.tw	Method	TBLASTX:Wheat
Start	1729	End	1912
GI	none	Score	201
Exons	1729..1866, 1730..1912		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o1.tm	Method	TBLASTX:Maize
Start	2620	End	3003
GI	none	Score	63
Exons	2620..2688, 2688..2816, 2688..3002, 2689..3003		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o1.tw	Method	TBLASTX:Wheat
Start	2644	End	3776
GI	none	Score	546
Exons	2644..3354, 2697..3272, 3278..3550, 3378..3566, 3543..3644, 3554..3673, 3675..3776, 3677..3769		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o1.tc	Method	TBLASTX:Cress
Start	2935	End	3354
GI	none	Score	308
Exons	2935..3354, 2943..3272		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o3.tm	Method	TBLASTX:Maize
Start	3253	End	3542
GI	none	Score	102
Exons	3253..3354, 3434..3541, 3435..3542		

Seq. No.	2890	Seq. ID	OJ991112_03.0119.C4
Gene No.	6117	Strand	+
Start	1	End	3983
Name	OJ991112_03.0119.C4.o3.ts	Method	TBLASTX:Soybean
Start	3624	End	3836
GI	none	Score	186
Exons	3624..3836, 3624..3782		

Seq. No.	2891	Seq. ID	OJ991112_03.0119.C5
Gene No.	6118	Strand	+
Start	845	End	1915
Name	OJ991112_03.0119.C5.o1.gs	Method	GENSCAN
Start	845	End	1915
GI	none	Score	.95
Exons	845..1042, 1133..1915		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6
Gene No.	6119	Strand	+
Start	1042	End	6577
Name	OJ991112_03.0119.C6.o1.np	Method	AAT/NAP
Start	1042	End	6577
GI	4680179	Score	603
Exons	1042..1926, 2097..2308, 6514..6577		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6
Gene No.	6119	Strand	+
Start	1042	End	6577
Name	OJ991112_03.0119.C6.o1.gs	Method	GENSCAN
Start	1063	End	2412
GI	none	Score	.62
Exons	1063..2412		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6
Gene No.	6119	Strand	+
Start	1042	End	6577
Name	OJ991112_03.0119.C6.o2.np	Method	AAT/NAP
Start	2219	End	6535
GI	130582	Score	46
Exons	2219..2343, 6385..6535		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6
Gene No.	6119	Strand	+
Start	1042	End	6577
Name	OJ991112_03.0119.C6.o1.gp	Method	AAT/GAP
Start	5697	End	6082
GI	uC-osflcyp033a04b1	Score	633
Exons	5697..6082		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6
Gene No.	6120	Strand	-
Start	1	End	5991
Name	OJ991112_03.0119.C6.o3.np	Method	AAT/NAP
Start	1	End	5991
GI	5852180	Score	701
Exons	1..61, 3584..3652, 4359..4773, 4825..4942, 5932..5991		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6
Gene No.	6120	Strand	-
Start	1	End	5991
Name	OJ991112_03.0119.C6.o1.tw	Method	TBLASTX:Wheat
Start	1285	End	1644
GI	none	Score	278
Exons	1285..1644, 1287..1640		

Seq. No.	2892	Seq. ID	OJ991112_03.0119.C6

Gene No.	6120	Strand	-
Start	1	End	5991
Name	OJ991112_03.0119.C6.o1.tm	Method	TBLASTX:Maize
Start	1525	End	1824
GI	none	Score	227
Exons	1525..1824, 1539..1628		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6121	Strand	+
Start	176	End	1565
Name	OJ991112_03.0119.C7.o1.gs	Method	GENSCAN
Start	176	End	1565
GI	none	Score	.91
Exons	176..279, 1154..1565		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6122	Strand	+
Start	4012	End	11828
Name	OJ991112_03.0119.C7.o2.gs	Method	GENSCAN
Start	4012	End	10582
GI	none	Score	.49
Exons	4012..4160, 4883..5094, 5168..5220, 5325..5463, 5930..6291, 7221..7280, 8032..8212, 8345..8444, 8463..8663, 9436..9782, 10140..10240, 10367..10582		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6122	Strand	+
Start	4012	End	11828
Name	OJ991112_03.0119.C7.o1.np	Method	AAT/NAP
Start	5172	End	11828
GI	5091513	Score	1188
Exons	5172..5231, 7975..8390, 8420..8684, 9522..10299, 10984..11193, 11346..11828		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6123	Strand	+
Start	13885	End	13967
Name	OJ991112_03.0119.C7.o2.np	Method	AAT/NAP
Start	13885	End	13967
GI	6630699	Score	89
Exons	13885..13967		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6124	Strand	+
Start	14094	End	16349
Name	OJ991112_03.0119.C7.o3.np	Method	AAT/NAP
Start	14094	End	16349
GI	6539570	Score	209
Exons	14094..14295, 14456..14538, 15763..15904, 16064..16349		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6125	Strand	-

Start	13054	End	13367
Name	OJ991112_03.0119.C7.o1.gp	Method	AAT/GAP
Start	13054	End	13367
GI	72524_1.R1084	Score	423
Exons	13054..13367		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	2893	Seq. ID	OJ991112_03.0119.C7
Gene No.	6126	Strand	-
Start	15656	End	16009
Name	OJ991112_03.0119.C7.o4.gs	Method	GENSCAN
Start	15656	End	16009
GI	none	Score	.64
Exons	15656..16009		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6127	Strand	+
Start	549	End	4003
Name	OJ991112_03.0119.C8.o1.gs	Method	GENSCAN
Start	549	End	4003
GI	none	Score	.75
Exons	549..713, 1794..1865, 3274..3394, 3837..4003		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6128	Strand	+
Start	4856	End	6863
Name	OJ991112_03.0119.C8.o2.gs	Method	GENSCAN
Start	4856	End	6863
GI	none	Score	.71
Exons	4856..4949, 5164..5275, 5501..5574, 5964..6170, 6733..6863		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6129	Strand	+
Start	12641	End	13099
Name	OJ991112_03.0119.C8.o1.gp	Method	AAT/GAP
Start	12641	End	13099
GI	4968598	Score	722
Exons	12641..13099		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6130	Strand	+
Start	13276	End	14937
Name	OJ991112_03.0119.C8.o3.np	Method	AAT/NAP
Start	13276	End	14937
GI	6539588	Score	136
Exons	13276..13551, 14876..14937		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6131	Strand	+
Start	21030	End	24596
Name	OJ991112_03.0119.C8.o2.gp	Method	AAT/GAP
Start	20679	End	20908
GI	3761317	Score	343
Exons	20679..20908		
GI Descrip.	287403/dbj|D10838|RICSBE1 4.0e-66 Rice gene for starch branching		

enzyme

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6131	Strand	+
Start	21030	End	24596
Name	OJ991112_03.0119.C8.o5.gs	Method	GENSCAN
Start	21030	End	24596
GI	none	Score	.76
Exons	21030..21096, 21266..21387, 21477..21620, 21729..21831, 21945..22323, 22853..22908, 23060..23089, 23255..23336, 24314..24376, 24458..24596		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6132	Strand	-
Start	4304	End	10542
Name	OJ991112_03.0119.C8.o1.np	Method	AAT/NAP
Start	4304	End	8301
GI	4388825	Score	247
Exons	4304..4349, 7592..8044, 8147..8301		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6132	Strand	-
Start	4304	End	10542
Name	OJ991112_03.0119.C8.o3.gs	Method	GENSCAN
Start	7484	End	10542
GI	none	Score	.54
Exons	7484..8101, 8129..8352, 8493..8946, 9042..9618, 10439..10542		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6133	Strand	-
Start	12633	End	16616
Name	OJ991112_03.0119.C8.o1.tw	Method	TBLASTX:Wheat
Start	7832	End	8203
GI	none	Score	95
Exons	7832..8017, 8048..8203		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6133	Strand	-
Start	12633	End	16616
Name	OJ991112_03.0119.C8.o4.gs	Method	GENSCAN
Start	12633	End	16616
GI	none	Score	.54
Exons	12633..12791, 13289..13368, 13374..13518, 14358..14655, 14904..14997, 15132..15402, 15568..15784, 15936..16124, 16271..16412, 16460..16616		

Seq. No.	2894	Seq. ID	OJ991112_03.0119.C8
Gene No.	6134	Strand	
Start	23089	End	24599
Name	OJ991112_03.0119.C8.o1.tm	Method	TBLASTX:Maize
Start	23089	End	24599
GI	none	Score	85
Exons	23089..23166, 23090..23167, 23247..23330, 23257..23331, 24312..24371, 24456..24599, 24465..24596, 24479..24598		

Seq. No.	2895	Seq. ID	OJ991112_03.0119.C10
Gene No.	6135	Strand	-
Start	379	End	680
Name	OJ991112_03.0119.C10.o1.np	Method	AAT/NAP
Start	379	End	680
GI	4416302	Score	274
Exons	379..680		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	2895	Seq. ID	OJ991112_03.0119.C10
Gene No.	6135	Strand	-
Start	379	End	680
Name	OJ991112_03.0119.C10.o1.tm	Method	TBLASTX:Maize
Start	400	End	680
GI	none	Score	81
Exons	400..567, 431..565, 547..678, 558..680		

Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6136	Strand	+
Start	4375	End	6068
Name	OJ991112_03.0119.C11.o2.gs	Method	GENSCAN
Start	4375	End	6068
GI	none	Score	.57
Exons	4375..4440, 5112..5265, 5432..5583, 5847..6068		

Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o1.np	Method	AAT/NAP
Start	1	End	5298
GI	6466937	Score	1165
Exons	1..1827, 5261..5298		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o2.tm	Method	TBLASTX:Maize
Start	251	End	679
GI	none	Score	135
Exons	251..538, 251..505, 417..608, 563..679		

Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o2.ts	Method	TBLASTX:Soybean
Start	272	End	658
GI	none	Score	129
Exons	272..502, 363..608, 386..658, 554..658		

Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o1.gs	Method	GENSCAN
Start	311	End	1936
GI	none	Score	.41

Exons	311..504, 790..1360, 1373..1936		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o2.tw	Method	TBLASTX:Wheat
Start	510	End	910
GI	none	Score	196
Exons	510..893, 545..910		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o3.tm	Method	TBLASTX:Maize
Start	680	End	1099
GI	none	Score	194
Exons	680..925, 923..1099		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o1.tw	Method	TBLASTX:Wheat
Start	1001	End	1786
GI	none	Score	197
Exons	1001..1066, 1478..1786, 1482..1784		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o3.ts	Method	TBLASTX:Soybean
Start	1085	End	1342
GI	none	Score	76
Exons	1085..1342, 1202..1294, 1206..1319		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o1.tm	Method	TBLASTX:Maize
Start	1100	End	1622
GI	none	Score	95
Exons	1100..1621, 1133..1360, 1377..1622		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o1.ts	Method	TBLASTX:Soybean
Start	1368	End	1717
GI	none	Score	131
Exons	1368..1712, 1373..1717		
Seq. No.	2896	Seq. ID	OJ991112_03.0119.C11
Gene No.	6137	Strand	-
Start	1	End	5298
Name	OJ991112_03.0119.C11.o4.tm	Method	TBLASTX:Maize
Start	1634	End	1814
GI	none	Score	89
Exons	1634..1813, 1662..1814		

Seq. No.	2897	Seq. ID	OJ991112_03.0119.C12
Gene No.	6138	Strand	+
Start	166	End	632
Name	OJ991112_03.0119.C12.o1.gs	Method	GENSCAN
Start	166	End	632
GI	none	Score	.73
Exons	166..230, 529..632		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6139	Strand	+
Start	1958	End	6955
Name	OJ991112_03.0119.C13.o1.gs	Method	GENSCAN
Start	1958	End	3876
GI	none	Score	.86
Exons	1958..2025, 3116..3221, 3389..3455, 3479..3876		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6139	Strand	+
Start	1958	End	6955
Name	OJ991112_03.0119.C13.o1.np	Method	AAT/NAP
Start	2236	End	2507
GI	6539588	Score	119
Exons	2236..2507		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6139	Strand	+
Start	1958	End	6955
Name	OJ991112_03.0119.C13.o2.np	Method	AAT/NAP
Start	3504	End	6955
GI	5922620	Score	504
Exons	3504..3552, 3590..3693, 3963..3987, 4610..4658, 4920..5061, 5178..5352, 5389..5473, 6825..6955		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6140	Strand	+
Start	7894	End	8670
Name	OJ991112_03.0119.C13.o3.gs	Method	GENSCAN
Start	7894	End	8505
GI	none	Score	.61
Exons	7894..7900, 7977..8186, 8377..8505		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6140	Strand	+
Start	7894	End	8670
Name	OJ991112_03.0119.C13.o4.np	Method	AAT/NAP
Start	8217	End	8670
GI	3645899	Score	188
Exons	8217..8670		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6141	Strand	-
Start	4408	End	7132
Name	OJ991112_03.0119.C13.o2.gs	Method	GENSCAN
Start	4408	End	7132
GI	none	Score	.45
Exons	4408..4525, 4670..4959, 5312..5409, 6372..6487, 6768..6902, 7095..7132		

Seq. No.	2898	Seq. ID	OJ991112_03.0119.C13
Gene No.	6142	Strand	-
Start	7094	End	7175
Name	OJ991112_03.0119.C13.o3.np	Method	AAT/NAP
Start	7094	End	7175
GI	6630699	Score	78
Exons	7094..7175		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2899	Seq. ID	OJ991112_03.0119.C14
Gene No.	6143	Strand	+
Start	1	End	2009
Name	OJ991112_03.0119.C14.o1.np	Method	AAT/NAP
Start	1	End	2009
GI	4416302	Score	445
Exons	1..36, 1430..2009		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	2899	Seq. ID	OJ991112_03.0119.C14
Gene No.	6143	Strand	+
Start	1	End	2009
Name	OJ991112_03.0119.C14.o1.tm	Method	TBLASTX:Maize
Start	1444	End	1958
GI	none	Score	407
Exons	1444..1956, 1536..1616, 1659..1958		

Seq. No.	2899	Seq. ID	OJ991112_03.0119.C14
Gene No.	6143	Strand	+
Start	1	End	2009
Name	OJ991112_03.0119.C14.o1.tw	Method	TBLASTX:Wheat
Start	1492	End	2004
GI	none	Score	225
Exons	1492..1914, 1942..2004		

Seq. No.	2899	Seq. ID	OJ991112_03.0119.C14
Gene No.	6143	Strand	+
Start	1	End	2009
Name	OJ991112_03.0119.C14.o1.gs	Method	GENSCAN
Start	1501	End	1702
GI	none	Score	.6
Exons	1501..1702		

Seq. No.	2899	Seq. ID	OJ991112_03.0119.C14
Gene No.	6143	Strand	+
Start	1	End	2009
Name	OJ991112_03.0119.C14.o1.ts	Method	TBLASTX:Soybean

Start	1705	End	2009
GI	none	Score	221
Exons	1705..2001, 1722..2009		

Seq. No.	2900	Seq. ID	OJ991112_03.0119.C15
Gene No.	6144	Strand	+
Start	898	End	1175
Name	OJ991112_03.0119.C15.o1.gs	Method	GENSCAN
Start	898	End	1175
GI	none	Score	.52
Exons	898..1095, 1140..1175		

Seq. No.	2901	Seq. ID	OJ991112_03.0119.C16
Gene No.	6145	Strand	-
Start	305	End	727
Name	OJ991112_03.0119.C16.o1.gs	Method	GENSCAN
Start	305	End	727
GI	none	Score	.48
Exons	305..433, 599..727		

Seq. No.	2902	Seq. ID	OJ991112_03.0119.C18
Gene No.	6146	Strand	-
Start	115	End	1150
Name	OJ991112_03.0119.C18.o1.np	Method	AAT/NAP
Start	115	End	1150
GI	4008446	Score	96
Exons	115..176, 222..334, 512..632, 1015..1150		
GI Descrip.	(AL034488) predicted using Genefinder; cDNA EST EMBL:C08771 comes from this gene; cDNA EST EMBL:C07412 comes from this gene [Caenorhabditis elegans]		

Seq. No.	2902	Seq. ID	OJ991112_03.0119.C18
Gene No.	6146	Strand	-
Start	115	End	1150
Name	OJ991112_03.0119.C18.o1.gs	Method	GENSCAN
Start	226	End	647
GI	none	Score	.46
Exons	226..334, 496..647		

Seq. No.	2902	Seq. ID	OJ991112_03.0119.C18
Gene No.	6146	Strand	-
Start	115	End	1150
Name	OJ991112_03.0119.C18.o1.tm	Method	TBLASTX:Maize
Start	274	End	675
GI	none	Score	73
Exons	274..336, 275..331, 280..381, 285..380, 513..650, 515..607, 516..608, 520..675		

Seq. No.	2903	Seq. ID	OJ991112_03.0119.C19
Gene No.	6147	Strand	+
Start	690	End	5530
Name	OJ991112_03.0119.C19.o1.np	Method	AAT/NAP
Start	690	End	5530
GI	4580462	Score	165
Exons	690..723, 4467..4555, 5108..5249, 5473..5530		
GI Descrip.	(AC006081) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2903	Seq. ID	OJ991112_03.0119.C19
Gene No.	6147	Strand	+
Start	690	End	5530
Name	OJ991112_03.0119.C19.o1.gs	Method	GENSCAN
Start	3696	End	5279
GI	none	Score	.86
Exons	3696..4138, 4448..4555, 5108..5279		

Seq. No.	2904	Seq. ID	OJ991112_03.0119.C20
Gene No.	6148	Strand	+
Start	570	End	2665
Name	OJ991112_03.0119.C20.o1.gs	Method	GENSCAN
Start	570	End	2007
GI	none	Score	.48
Exons	570..860, 1176..1261, 1345..1439, 1856..2007		

Seq. No.	2904	Seq. ID	OJ991112_03.0119.C20
Gene No.	6148	Strand	+
Start	570	End	2665
Name	OJ991112_03.0119.C20.o1.np	Method	AAT/NAP
Start	583	End	2665
GI	4972046	Score	148
Exons	583..767, 2603..2665		
GI Descrip.	(AL078470) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	2904	Seq. ID	OJ991112_03.0119.C20
Gene No.	6148	Strand	+
Start	570	End	2665
Name	OJ991112_03.0119.C20.o1.tm	Method	TBLASTX:Maize
Start	591	End	1441
GI	none	Score	200
Exons	591..734, 593..736, 601..735, 1339..1440, 1346..1441		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6149	Strand	+
Start	1	End	1645
Name	OJ991112_03.0119.C21.o1.np	Method	AAT/NAP
Start	1	End	1490
GI	4580462	Score	84
Exons	1..216, 1380..1490		
GI Descrip.	(AC006081) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6149	Strand	+
Start	1	End	1645
Name	OJ991112_03.0119.C21.o1.gs	Method	GENSCAN
Start	51	End	1645
GI	none	Score	.74
Exons	51..216, 377..465, 504..619, 1480..1645		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6149	Strand	+
Start	1	End	1645
Name	OJ991112_03.0119.C21.o1.gp	Method	AAT/GAP
Start	583	End	1172
GI	none	Score	1164
Exons	583..1172		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6150	Strand	+
Start	1553	End	1921
Name	OJ991112_03.0119.C21.o2.np	Method	AAT/NAP
Start	1553	End	1921
GI	132672	Score	194
Exons	1553..1921		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6151	Strand	+
Start	2303	End	2724
Name	OJ991112_03.0119.C21.o1.tw	Method	TBLASTX:Wheat
Start	1754	End	1945
GI	none	Score	112
Exons	1754..1831, 1758..1829, 1820..1945, 1821..1919, 1823..1945		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6151	Strand	+
Start	2303	End	2724
Name	OJ991112_03.0119.C21.o2.gp	Method	AAT/GAP
Start	2303	End	2717
GI	LIB3431-023-P1-N1-B3	Score	710
Exons	2303..2717		
GI Descrip.	'3818624 5.0e-37 (AF095912) actin related protein 2; ARP2 [Arabidopsis thaliana]'		

Seq. No.	2905	Seq. ID	OJ991112_03.0119.C21
Gene No.	6151	Strand	+
Start	2303	End	2724
Name	OJ991112_03.0119.C21.o2.gs	Method	GENSCAN
Start	2550	End	2724
GI	none	Score	.53
Exons	2550..2612, 2641..2724		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6152	Strand	+
Start	2158	End	4485
Name	OJ991112_03.0119.C22.o2.gs	Method	GENSCAN
Start	2158	End	4160
GI	none	Score	.76
Exons	2158..2192, 2396..2525, 2706..2762, 2856..2939, 3810..3944, 4089..4160		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6152	Strand	+
Start	2158	End	4485
Name	OJ991112_03.0119.C22.o4.np	Method	AAT/NAP
Start	2898	End	4485
GI	3818624	Score	580
Exons	2898..2939, 3606..3716, 3810..3944, 4089..4160, 4253..4331, 4460..4485		
GI Descrip.	(AF095912) actin related protein 2; ARP2 [Arabidopsis thaliana]		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786
Name	OJ991112_03.0119.C22.o1.np	Method	AAT/NAP
Start	1	End	1918
GI	6016732	Score	288
Exons	1..109, 140..631, 1877..1918		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091719|gb|AAF03431.1|AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786
Name	OJ991112_03.0119.C22.o1.tm	Method	TBLASTX:Maize
Start	182	End	657
GI	none	Score	87
Exons	182..259, 183..245, 245..358, 380..553, 408..476, 409..489,	257..349, 269..328, 373..651, 634..657	

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786
Name	OJ991112_03.0119.C22.o1.gs	Method	GENSCAN
Start	202	End	1105
GI	none	Score	.44
Exons	202..323, 407..746, 752..889,	1099..1105	

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786
Name	OJ991112_03.0119.C22.o2.ts	Method	TBLASTX:Soybean
Start	266	End	618
GI	none	Score	66
Exons	266..319, 269..349, 412..618,	424..525, 427..474, 428..553	

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786
Name	OJ991112_03.0119.C22.o1.gp	Method	AAT/GAP
Start	273	End	941
GI	none	Score	942
Exons	273..368, 538..941		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786
Name	OJ991112_03.0119.C22.o2.np	Method	AAT/NAP
Start	698	End	2786
GI	6751696	Score	65
Exons	698..978, 2731..2786		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6153	Strand	-
Start	1	End	2786

Name	OJ991112_03.0119.C22.o3.np	Method	AAT/NAP
Start	954	End	1372
GI	5852172	Score	58
Exons	954..991, 1249..1372		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6154	Strand	
Start	3605	End	4485
Name	OJ991112_03.0119.C22.o1.ts	Method	TBLASTX:Soybean
Start	3605	End	4485
GI	none	Score	180
Exons	3605..3673, 3606..3713, 3804..3941, 3807..3944, 3808..3984, 3808..3942, 3809..3943, 4092..4163, 4094..4162, 4243..4332, 4244..4342, 4247..4333, 4458..4484, 4459..4485		

Seq. No.	2906	Seq. ID	OJ991112_03.0119.C22
Gene No.	6154	Strand	
Start	3605	End	4485
Name	OJ991112_03.0119.C22.o1.tc	Method	TBLASTX:Cress
Start	3606	End	3970
GI	none	Score	183
Exons	3606..3713, 3608..3676, 3807..3947, 3807..3944, 3809..3970		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6155	Strand	+
Start	124	End	3751
Name	OJ991112_03.0119.C23.o1.np	Method	AAT/NAP
Start	124	End	2348
GI	3818624	Score	796
Exons	124..227, 343..411, 495..558, 629..697, 809..892, 1470..1528, 1755..1821, 2002..2085, 2271..2348		
GI Descrip.	(AF095912) actin related protein 2; ARP2 [Arabidopsis thaliana]		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6155	Strand	+
Start	124	End	3751
Name	OJ991112_03.0119.C23.o1.gs	Method	GENSCAN
Start	261	End	3751
GI	none	Score	.62
Exons	261..342, 470..558, 629..697, 767..892, 1470..1528, 1755..1821, 2002..2085, 3197..3323, 3567..3751		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6155	Strand	+
Start	124	End	3751
Name	OJ991112_03.0119.C23.o1.gp	Method	AAT/GAP
Start	372	End	907
GI	3107756	Score	421
Exons	372..411, 495..558, 629..697, 809..907		
GI Descrip.	3818624 5.0e-37 (AF095912) actin related protein 2; ARP2 [Arabidopsis thaliana]		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6156	Strand	+
Start	11467	End	11819
Name	OJ991112_03.0119.C23.o3.gp	Method	AAT/GAP

Start	11467	End	11819
GI	none	Score	597
Exons	11467..11819		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6157	Strand	+
Start	21429	End	25660
Name	OJ991112_03.0119.C23.o4.gs	Method	GENSCAN
Start	21429	End	25660
GI	none	Score	.52
Exons	21429..21448, 21776..21842, 22858..22955, 22994..23069, 23966..24092, 24123..24362, 24382..24585, 25548..25660		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o3.ts	Method	TBLASTX:Soybean
Start	123	End	531
GI	none	Score	173
Exons	123..230, 124..228, 343..411, 344..409, 493..531		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o5.tm	Method	TBLASTX:Maize
Start	482	End	706
GI	none	Score	133
Exons	482..577, 487..576, 487..600, 580..702, 581..706, 590..706		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o3.np	Method	AAT/NAP
Start	5221	End	10752
GI	6721172	Score	295
Exons	5221..5910, 5941..6156, 7412..7800, 10728..10752		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o3.tc	Method	TBLASTX:Cress
Start	5296	End	6123
GI	none	Score	88
Exons	5296..5553, 5296..5553, 5395..5553, 5566..5940, 5740..5916, 5953..6123, 5953..6057, 5965..6114, 5965..6114, 5974..6114		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o1.tm	Method	TBLASTX:Maize
Start	5632	End	6114
GI	none	Score	498
Exons	5632..5802, 5711..6112, 5712..6113, 5713..6114, 5714..6103		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-

Start	5221	End	20225
Name	OJ991112_03.0119.C23.o2.ts	Method	TBLASTX:Soybean
Start	5638	End	6009
GI	none	Score	37
Exons	5638..5673, 5639..5674, 5662..5862, 5668..5883, 5669..5887, 5878..5982, 5879..5986, 5974..6009		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o2.gp	Method	AAT/GAP
Start	5801	End	7664
GI	LIB3477-004-P1-K1-B12	Score	925
Exons	5801..5965, 6070..6156, 7412..7664		
GI Descrip.	'4733985/gb|AAD28665.1|AC007209_1 7.0e-20 (AC007209) hypothetical protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o3.gs	Method	GENSCAN
Start	9779	End	20225
GI	none	Score	.67
Exons	9779..9996, 10896..10962, 11184..11261, 11925..12008, 12111..12271, 12396..12473, 12550..12641, 12741..12835, 13223..13319, 13421..13467, 14000..14075, 14553..14653, 14793..14969, 15392..15489, 15629..15772, 18144..18168, 18875..19084, 19960..20069, 20153..20225		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o3.tm	Method	TBLASTX:Maize
Start	11796	End	12015
GI	none	Score	270
Exons	11796..12008, 11797..12009, 11803..12015		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o4.np	Method	AAT/NAP
Start	11799	End	15719
GI	3337350	Score	1815
Exons	11799..12008, 12111..12271, 12396..12473, 12550..12641, 12741..12799, 13027..13113, 13223..13319, 13421..13665, 14000..14075, 14553..14653, 14793..14969, 15392..15489, 15629..15719		
GI Descrip.	(AC004481) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o1.tc	Method	TBLASTX:Cress
Start	11805	End	12802
GI	none	Score	89
Exons	11805..11909, 11806..11907, 11910..12020, 11917..12021, 12111..12296, 12118..12273, 12394..12480, 12395..12493,		

12548..12628, 12549..12638, 12740..12802, 12741..12773

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o1.ts	Method	TBLASTX:Soybean
Start	11805	End	15689
GI	none	Score	79

Exons 11805..11909, 11806..11907, 11908..12009, 11910..12008, 12111..12296, 12112..12273, 12394..12480, 12394..12480, 12548..12640, 12549..12641, 12741..12803, 13024..13125, 13025..13114, 13027..13122, 13196..13336, 13196..13318, 13444..13665, 13448..13567, 13610..13660, 13946..14077, 13983..14078, 14546..14659, 14832..14966, 14833..14967, 14862..14978, 15398..15487, 15399..15488, 15615..15689

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o1.tw	Method	TBLASTX:Wheat
Start	11871	End	12590
GI	none	Score	78

Exons 11871..11909, 11910..12020, 12070..12273, 12111..12278, 12388..12480, 12395..12493, 12548..12589, 12549..12590

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o4.tm	Method	TBLASTX:Maize
Start	12069	End	15488
GI	none	Score	72

Exons 12069..12278, 12394..12480, 12416..12493, 12548..12640, 12549..12641, 12753..12779, 13983..14078, 13985..14077, 14094..14171, 14546..14653, 14832..14966, 14833..14967, 15395..15487, 15396..15488

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o2.tc	Method	TBLASTX:Cress
Start	13057	End	13629
GI	none	Score	54

Exons 13057..13122, 13217..13318, 13244..13336, 13420..13629, 13447..13554

Seq. No.	2907	Seq. ID	OJ991112_03.0119.C23
Gene No.	6158	Strand	-
Start	5221	End	20225
Name	OJ991112_03.0119.C23.o2.tm	Method	TBLASTX:Maize
Start	13066	End	13665
GI	none	Score	125

Exons 13066..13122, 13223..13327, 13223..13321, 13224..13328, 13409..13636, 13417..13644, 13417..13635, 13636..13665

Seq. No.	2908	Seq. ID	OJ991112_03.0119.C24
Gene No.	6159	Strand	-
Start	935	End	1099

Name	OJ991112_03.0119.C24.o1.gs	Method	GENSCAN
Start	935	End	1099
GI	none	Score	.55
Exons	935..1099		

Seq. No.	2909	Seq. ID	OJ991112_03.0119.C25
Gene No.	6160	Strand	+
Start	1	End	193
Name	OJ991112_03.0119.C25.o1.np	Method	AAT/NAP
Start	1	End	193
GI	6815052	Score	142
Exons	1..193		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2910	Seq. ID	OJ991112_03.0119.C26
Gene No.	6161	Strand	+
Start	48	End	164
Name	OJ991112_03.0119.C26.o1.gs	Method	GENSCAN
Start	48	End	164
GI	none	Score	.4
Exons	48..164		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6162	Strand	+
Start	499	End	1308
Name	OJ991012_05.0111.C2.o1.gs	Method	GENSCAN
Start	499	End	1308
GI	none	Score	.84
Exons	499..1308		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6163	Strand	+
Start	1563	End	6073
Name	OJ991012_05.0111.C2.o1.np	Method	AAT/NAP
Start	1557	End	6070
GI	4680179	Score	5329
Exons	1557..2639, 2673..6070		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6163	Strand	+
Start	1563	End	6073
Name	OJ991012_05.0111.C2.o2.gs	Method	GENSCAN
Start	1563	End	6073
GI	none	Score	.79
Exons	1563..2314, 2369..3459, 3504..6073		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6164	Strand	+
Start	8144	End	8525
Name	OJ991012_05.0111.C2.o2.gp	Method	AAT/GAP
Start	8144	End	8525
GI	uC-osf1cyp033a04b1	Score	695
Exons	8144..8525		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o2.tw	Method	TBLASTX:Wheat
Start	1256	End	5059
GI	none	Score	52
Exons	1256..1318, 4492..5058, 4523..5059		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o2.np	Method	AAT/NAP
Start	1737	End	10560
GI	5852180	Score	572
Exons	1737..1767, 6812..7220, 7272..7395, 8374..8427, 10504..10560		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o9.tw	Method	TBLASTX:Wheat
Start	1737	End	1997
GI	none	Score	211
Exons	1737..1784, 1797..1994, 1799..1996, 1905..1997		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o7.tw	Method	TBLASTX:Wheat
Start	2030	End	2381
GI	none	Score	289
Exons	2030..2224, 2031..2381		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o5.tm	Method	TBLASTX:Maize
Start	2031	End	2336
GI	none	Score	232
Exons	2031..2336, 2045..2161		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o8.tm	Method	TBLASTX:Maize
Start	2664	End	3017
GI	none	Score	188
Exons	2664..3017		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o8.tw	Method	TBLASTX:Wheat
Start	2700	End	3137
GI	none	Score	164
Exons	2700..2909, 2756..2908, 2954..3067, 2955..3068, 3096..3137		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o4.tw	Method	TBLASTX:Wheat
Start	3233	End	3715
GI	none	Score	88
Exons	3233..3328, 3237..3338, 3329..3472, 3330..3473, 3452..3715, 3452..3649, 3454..3672		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o6.tm	Method	TBLASTX:Maize
Start	3248	End	3532
GI	none	Score	86
Exons	3248..3322, 3249..3347, 3359..3472, 3363..3473, 3452..3532, 3456..3530		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o3.tm	Method	TBLASTX:Maize
Start	3602	End	4102
GI	none	Score	167
Exons	3602..3781, 3610..3756, 3788..4102, 3928..3981, 4009..4059		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o1.ts	Method	TBLASTX:Soybean
Start	3656	End	4051
GI	none	Score	57
Exons	3656..3688, 3658..3687, 3692..4051, 3694..3732, 3760..4050		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o5.tw	Method	TBLASTX:Wheat
Start	3764	End	4066
GI	none	Score	381
Exons	3764..4066, 3766..4050		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o3.tw	Method	TBLASTX:Wheat
Start	4067	End	10163
GI	none	Score	598
Exons	4067..4489, 4099..4488, 10035..10163		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o4.ts	Method	TBLASTX:Soybean
Start	4073	End	4318
GI	none	Score	207
Exons	4073..4318, 4075..4317		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o2.tm	Method	TBLASTX:Maize
Start	4138	End	10196
GI	none	Score	482
Exons	4138..4488, 4139..4492, 4139..4501, 10038..10196		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o1.tc	Method	TBLASTX:Cress
Start	4766	End	5083
GI	none	Score	90
Exons	4766..4939, 4940..5083, 4942..5082		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o3.ts	Method	TBLASTX:Soybean
Start	4847	End	5107
GI	none	Score	296
Exons	4847..5107, 4852..5106		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o4.tm	Method	TBLASTX:Maize
Start	4905	End	5197
GI	none	Score	95
Exons	4905..5066, 4906..5193, 4907..5197		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o1.tw	Method	TBLASTX:Wheat
Start	5066	End	5692
GI	none	Score	704
Exons	5066..5692, 5122..5580, 5438..5689		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o1.tm	Method	TBLASTX:Maize
Start	5246	End	5845
GI	none	Score	231
Exons	5246..5407, 5254..5400, 5404..5706, 5405..5845, 5567..5830		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o6.tw	Method	TBLASTX:Wheat
Start	5692	End	6025
GI	none	Score	357
Exons	5692..5961, 5693..6025, 5696..6004		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o7.tm	Method	TBLASTX:Maize
Start	5849	End	6079
GI	none	Score	185
Exons	5849..6046, 5860..5955, 6047..6079, 6049..6078		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o3.gs	Method	GENSCAN
Start	6760	End	7233
GI	none	Score	.97
Exons	6760..7233		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o4.gs	Method	GENSCAN
Start	8065	End	10167
GI	none	Score	.52
Exons	8065..8217, 9158..9262, 9330..9473, 9534..10167		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o10.tw	Method	TBLASTX:Wheat
Start	9576	End	9938
GI	none	Score	176
Exons	9576..9938		

Seq. No.	2911	Seq. ID	OJ991012_05.0111.C2
Gene No.	6165	Strand	-
Start	1737	End	10560
Name	OJ991012_05.0111.C2.o2.ts	Method	TBLASTX:Soybean
Start	9702	End	10112
GI	none	Score	98
Exons	9702..9953, 9787..9954, 9961..10110, 9975..10112		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6166	Strand	+
Start	1149	End	6795
Name	OJ991012_05.0111.C3.o1.np	Method	AAT/NAP
Start	1149	End	6795
GI	6498441	Score	6738
Exons	1149..2212, 2543..3006, 3070..3443, 3627..3761, 3936..4174, 4367..4851, 5023..6420, 6514..6795		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6167	Strand	+
Start	6959	End	7415
Name	OJ991012_05.0111.C3.o1.gp	Method	AAT/GAP
Start	6959	End	7415

GI	2428323	Score	809
Exons	6959..7415		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6168	Strand	+
Start	14392	End	15210
Name	OJ991012_05.0111.C3.o3.np	Method	AAT/NAP
Start	14392	End	15210
GI	5042448	Score	1147
Exons	14392..15210		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6169	Strand	+
Start	15466	End	20028
Name	OJ991012_05.0111.C3.o4.np	Method	AAT/NAP
Start	15466	End	20028
GI	4680179	Score	7823
Exons	15466..20028		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o9.tw	Method	TBLASTX:Wheat
Start	1297	End	1689
GI	none	Score	58
Exons	1297..1344, 1351..1449, 1368..1448, 1416..1655, 1432..1689		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o8.tm	Method	TBLASTX:Maize
Start	1302	End	1587
GI	none	Score	193
Exons	1302..1586, 1339..1587		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o6.tw	Method	TBLASTX:Wheat
Start	2427	End	13005
GI	none	Score	409
Exons	2427..2600, 2428..2913, 2622..2909, 12913..13005		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o4.tw	Method	TBLASTX:Wheat
Start	3077	End	17552
GI	none	Score	94
Exons	3077..3253, 3078..3539, 3079..3540, 11731..11784, 17323..17541, 17421..17552		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o5.ts	Method	TBLASTX:Soybean
Start	3118	End	17502
GI	none	Score	117
Exons	3118..3342, 3349..3483, 17368..17502		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o6.tm	Method	TBLASTX:Maize
Start	3208	End	17553
GI	none	Score	357
Exons	3208..3537, 3243..3536, 17323..17553		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o3.tm	Method	TBLASTX:Maize
Start	3541	End	18060
GI	none	Score	73
Exons	3541..3690, 3679..4032, 17560..17739, 17725..18060, 17811..17945, 17812..18051		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o1.ts	Method	TBLASTX:Soybean
Start	3619	End	18009
GI	none	Score	150
Exons	3619..3990, 17614..17646, 17614..17658, 17650..18009, 17650..17730, 17745..18008		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o5.tw	Method	TBLASTX:Wheat
Start	3649	End	18018
GI	none	Score	488
Exons	3649..4068, 3654..4073, 17671..18018		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o2.tm	Method	TBLASTX:Maize
Start	4666	End	18450
GI	none	Score	64
Exons	4666..4806, 18097..18450, 18099..18365, 18100..18366		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o8.tw	Method	TBLASTX:Wheat
Start	4723	End	5157
GI	none	Score	229
Exons	4723..4947, 4738..4947, 4788..4973, 5008..5157, 5017..5154,		

5019..5156

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o3.ts	Method	TBLASTX:Soybean
Start	4846	End	5412
GI	5666795	Score	68
Exons	4846..4944, 5020..5157, 5212..5412		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o13.tw	Method	TBLASTX:Wheat
Start	5160	End	5472
GI	none	Score	192
Exons	5160..5336, 5212..5472		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o5.tm	Method	TBLASTX:Maize
Start	5665	End	5988
GI	none	Score	364
Exons	5665..5988, 5694..5975		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o12.tw	Method	TBLASTX:Wheat
Start	5668	End	6057
GI	none	Score	130
Exons	5668..5817, 5691..5816, 5935..6057, 5940..5981, 6003..6056		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o3.tw	Method	TBLASTX:Wheat
Start	5818	End	19017
GI	none	Score	56
Exons	5818..5934, 18538..19017, 18571..18984, 18609..19016		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o1.tw	Method	TBLASTX:Wheat
Start	6100	End	19650
GI	none	Score	107
Exons	6100..6258, 6313..6429, 19024..19650, 19026..19649		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o2.gs	Method	GENSCAN
Start	7423	End	10573
GI	none	Score	.85

Exons	7423..9442, 9537..10573		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o2.np	Method	AAT/NAP
Start	7426	End	11093
GI	5803259	Score	4749
Exons	7426..8997, 9073..9231, 9274..9442, 9537..10681, 10977..11093		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o10.tw	Method	TBLASTX:Wheat
Start	15733	End	16092
GI	none	Score	308
Exons	15733..16092, 15736..16092		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o7.tm	Method	TBLASTX:Maize
Start	15973	End	16269
GI	none	Score	210
Exons	15973..16269, 15973..16257		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o11.tw	Method	TBLASTX:Wheat
Start	16612	End	17034
GI	none	Score	147
Exons	16612..16821, 16662..16760, 16843..17034, 16872..17027		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o14.tw	Method	TBLASTX:Wheat
Start	17553	End	17670
GI	none	Score	81
Exons	17553..17648, 17557..17670, 17559..17669		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o2.tw	Method	TBLASTX:Wheat
Start	18024	End	18534
GI	none	Score	54
Exons	18024..18209, 18025..18534, 18057..18368, 18103..18369, 18347..18436, 18411..18533		
Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o4.ts	Method	TBLASTX:Soybean
Start	18031	End	18276

GI	none	Score	204
Exons	18031..18276		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o1.tc	Method	TBLASTX:Cress
Start	18724	End	19041
GI	none	Score	89
Exons	18724..18897, 18898..19041, 18900..19040		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o2.ts	Method	TBLASTX:Soybean
Start	18805	End	19065
GI	none	Score	299
Exons	18805..19065, 18810..19064, 18874..19065		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o4.tm	Method	TBLASTX:Maize
Start	18864	End	19155
GI	none	Score	389
Exons	18864..19151, 18865..19155		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o1.tm	Method	TBLASTX:Maize
Start	19204	End	19803
GI	none	Score	225
Exons	19204..19362, 19212..19358, 19362..19790, 19365..19775, 19366..19803		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o7.tw	Method	TBLASTX:Wheat
Start	19651	End	19983
GI	none	Score	374
Exons	19651..19983, 19678..19758, 19743..19982		

Seq. No.	2912	Seq. ID	OJ991012_05.0111.C3
Gene No.	6170	Strand	-
Start	7423	End	20004
Name	OJ991012_05.0111.C3.o9.tm	Method	TBLASTX:Maize
Start	19807	End	20004
GI	none	Score	191
Exons	19807..20004		

Seq. No.	2913	Seq. ID	OJ991012_05.0111.C4
Gene No.	6171	Strand	-
Start	1	End	642
Name	OJ991012_05.0111.C4.o1.np	Method	AAT/NAP
Start	1	End	642

GI	6907089	Score	173
Exons	1..40, 521..642		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2913	Seq. ID	OJ991012_05.0111.C4
Gene No.	6171	Strand	-
Start	1	End	642
Name	OJ991012_05.0111.C4.o1.gs	Method	GENSCAN
Start	177	End	642
GI	none	Score	.51
Exons	177..331, 589..642		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6172	Strand	+
Start	1	End	3430
Name	OJ991012_05.0111.C5.o2.np	Method	AAT/NAP
Start	1	End	3430
GI	4544372	Score	448
Exons	1..31, 2684..3430		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6172	Strand	+
Start	1	End	3430
Name	OJ991012_05.0111.C5.o2.gs	Method	GENSCAN
Start	2109	End	3243
GI	none	Score	.66
Exons	2109..2434, 2550..3243		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6173	Strand	-
Start	1	End	604
Name	OJ991012_05.0111.C5.o1.np	Method	AAT/NAP
Start	1	End	604
GI	5922623	Score	136
Exons	1..112, 531..604		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6174	Strand	
Start	2097	End	2450
Name	OJ991012_05.0111.C5.o2.ts	Method	TBLASTX:Soybean
Start	2097	End	2450
GI	none	Score	207
Exons	2097..2450		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6175	Strand	
Start	2800	End	3365
Name	OJ991012_05.0111.C5.o1.ts	Method	TBLASTX:Soybean
Start	2800	End	3165
GI	none	Score	139
Exons	2800..3024, 2811..3023, 3031..3165		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6175	Strand	
Start	2800	End	3365
Name	OJ991012_05.0111.C5.o1.tw	Method	TBLASTX:Wheat
Start	2961	End	3365
GI	none	Score	80
Exons	2961..3008, 2962..3018, 3013..3240, 3020..3106, 3021..3242, 3243..3362, 3246..3365		

Seq. No.	2914	Seq. ID	OJ991012_05.0111.C5
Gene No.	6175	Strand	
Start	2800	End	3365
Name	OJ991012_05.0111.C5.o1.tm	Method	TBLASTX:Maize
Start	3016	End	3278
GI	none	Score	298
Exons	3016..3249, 3021..3245, 3246..3278		

Seq. No.	2915	Seq. ID	OJ991012_05.0111.C6
Gene No.	6176	Strand	+
Start	1	End	651
Name	OJ991012_05.0111.C6.o1.np	Method	AAT/NAP
Start	1	End	651
GI	4544372	Score	332
Exons	1..651		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2915	Seq. ID	OJ991012_05.0111.C6
Gene No.	6176	Strand	+
Start	1	End	651
Name	OJ991012_05.0111.C6.o1.tm	Method	TBLASTX:Maize
Start	57	End	389
GI	none	Score	216
Exons	57..389		

Seq. No.	2915	Seq. ID	OJ991012_05.0111.C6
Gene No.	6176	Strand	+
Start	1	End	651
Name	OJ991012_05.0111.C6.o1.ts	Method	TBLASTX:Soybean
Start	138	End	419
GI	none	Score	228
Exons	138..419, 203..418		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6177	Strand	+
Start	1	End	3193
Name	OJ991012_05.0111.C7.o3.np	Method	AAT/NAP
Start	1	End	3193
GI	5852180	Score	386
Exons	1..21, 1736..1812, 2821..3193		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6177	Strand	+
Start	1	End	3193
Name	OJ991012_05.0111.C7.o1.gp	Method	AAT/GAP
Start	1156	End	1454

GI	61605_3.R1084	Score	448
Exons	1156..1454		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6178	Strand	-
Start	1	End	369
Name	OJ991012_05.0111.C7.o1.np	Method	AAT/NAP
Start	1	End	369
GI	3645899	Score	437
Exons	1..369		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o2.tw	Method	TBLASTX:Wheat
Start	40	End	339
GI	none	Score	77
Exons	40..339, 125..250, 305..334		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o1.tm	Method	TBLASTX:Maize
Start	52	End	458
GI	none	Score	209
Exons	52..360, 53..352, 380..457, 384..458		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o1.ts	Method	TBLASTX:Soybean
Start	211	End	5342
GI	none	Score	73
Exons	211..339, 365..406, 4896..5231, 5235..5342		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o2.np	Method	AAT/NAP
Start	377	End	4203
GI	4416301	Score	116
Exons	377..572, 4161..4203		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o2.gp	Method	AAT/GAP
Start	1983	End	2410
GI	2428185	Score	801
Exons	1983..2410		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o3.gp	Method	AAT/GAP
Start	2428	End	3162
GI	101153_1.R1084	Score	578
Exons	2428..2656, 2974..3162		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o4.np	Method	AAT/NAP
Start	4100	End	5392
GI	3645898	Score	490
Exons	4100..5392		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o2.tm	Method	TBLASTX:Maize
Start	4785	End	5186
GI	none	Score	68
Exons	4785..5186, 4935..5045		

Seq. No.	2916	Seq. ID	OJ991012_05.0111.C7
Gene No.	6179	Strand	-
Start	377	End	5392
Name	OJ991012_05.0111.C7.o1.tw	Method	TBLASTX:Wheat
Start	4944	End	5339
GI	none	Score	65
Exons	4944..5336, 5239..5337, 5244..5339		

Seq. No.	2917	Seq. ID	OJ991012_05.0111.C9
Gene No.	6180	Strand	-
Start	581	End	694
Name	OJ991012_05.0111.C9.o1.gs	Method	GENSCAN
Start	581	End	694
GI	none	Score	.75
Exons	581..694		

Seq. No.	2917	Seq. ID	OJ991012_05.0111.C9
Gene No.	6181	Strand	-
Start	1022	End	1161
Name	OJ991012_05.0111.C9.o1.np	Method	AAT/NAP
Start	1022	End	1161
GI	6630685	Score	127
Exons	1022..1161		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	2918	Seq. ID	OJ991012_05.0111.C10
Gene No.	6182	Strand	-
Start	1	End	530

Name	OJ991012_05.0111.C10.o1.np	Method	AAT/NAP
Start	1	End	530
GI	6630685	Score	787
Exons	1..530		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	2918	Seq. ID	OJ991012_05.0111.C10
Gene No.	6182	Strand	-
Start	1	End	530
Name	OJ991012_05.0111.C10.o1.tm	Method	TBLASTX:Maize
Start	32	End	530
GI	none	Score	41
Exons	32..76, 42..71, 68..460, 78..479, 79..480, 368..481, 463..519, 464..523, 467..529, 471..530		

Seq. No.	2918	Seq. ID	OJ991012_05.0111.C10
Gene No.	6182	Strand	-
Start	1	End	530
Name	OJ991012_05.0111.C10.o1.tw	Method	TBLASTX:Wheat
Start	78	End	401
GI	none	Score	47
Exons	78..137, 125..268, 148..312, 159..323, 162..326, 312..401, 325..399		

Seq. No.	2918	Seq. ID	OJ991012_05.0111.C10
Gene No.	6182	Strand	-
Start	1	End	530
Name	OJ991012_05.0111.C10.o1.gs	Method	GENSCAN
Start	347	End	508
GI	none	Score	.62
Exons	347..508		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6183	Strand	+
Start	1	End	2932
Name	OJ991012_05.0111.C11.o1.np	Method	AAT/NAP
Start	1	End	2932
GI	3319345	Score	647
Exons	1..489, 587..1500, 1528..1695, 2873..2932		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6184	Strand	+
Start	3123	End	14227
Name	OJ991012_05.0111.C11.o2.np	Method	AAT/NAP
Start	3123	End	11623
GI	6523547	Score	351
Exons	3123..3300, 5113..5281, 7582..7605, 9194..9336, 10746..10870, 10959..11281, 11321..11623		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6184	Strand	+
Start	3123	End	14227

Name	OJ991012_05.0111.C11.o2.gs	Method	GENSCAN
Start	4195	End	14227
GI	none	Score	.62
Exons	4195..4210, 5218..5304, 5423..6873, 7075..7296, 7377..7377, 7454..7513, 7646..7695, 9221..9907, 10861..10885, 11144..11639, 12483..12658, 13842..14227		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6185	Strand	+
Start	15157	End	16667
Name	OJ991012_05.0111.C11.o3.gs	Method	GENSCAN
Start	15157	End	16667
GI	none	Score	.85
Exons	15157..15290, 15296..15527, 15775..15841, 16528..16667		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6186	Strand	-
Start	8198	End	8309
Name	OJ991012_05.0111.C11.o1.gp	Method	AAT/GAP
Start	8198	End	8309
GI	uC-osf1cyp088b12b1	Score	160
Exons	8198..8309		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6187	Strand	-
Start	11745	End	12021
Name	OJ991012_05.0111.C11.o2.gp	Method	AAT/GAP
Start	11745	End	12021
GI	61605_1.R1084	Score	407
Exons	11745..12021		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o1.tm	Method	TBLASTX:Maize
Start	620	End	1216
GI	none	Score	49
Exons	620..694, 695..1036, 1112..1216		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o2.ts	Method	TBLASTX:Soybean
Start	869	End	1264
GI	none	Score	206
Exons	869..1264		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o2.tm	Method	TBLASTX:Maize
Start	1265	End	1469
GI	none	Score	189

Exons 1265..1366, 1266..1469, 1344..1394

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o3.np	Method	AAT/NAP
Start	12391	End	17982
GI	6063554	Score	148
Exons	12391..12562, 13183..13215, 13828..13996, 14255..14514, 17937..17982		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o4.np	Method	AAT/NAP
Start	16242	End	18568
GI	4680183	Score	125
Exons	16242..16363, 18532..18568		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o4.gs	Method	GENSCAN
Start	17750	End	18241
GI	none	Score	.55
Exons	17750..17889, 17989..18241		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o1.ts	Method	TBLASTX:Soybean
Start	17979	End	18229
GI	none	Score	162
Exons	17979..18227, 17984..18229, 17990..18229		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o5.np	Method	AAT/NAP
Start	17990	End	18568
GI	4544372	Score	251
Exons	17990..18568		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2919	Seq. ID	OJ991012_05.0111.C11
Gene No.	6188	Strand	-
Start	12391	End	18568
Name	OJ991012_05.0111.C11.o1.tw	Method	TBLASTX:Wheat
Start	18005	End	18412
GI	none	Score	58
Exons	18005..18412, 18066..18212		

Seq. No.	2920	Seq. ID	OJ991012_05.0111.C12
Gene No.	6189	Strand	+
Start	36	End	184
Name	OJ991012_05.0111.C12.o1.gs	Method	GENSCAN
Start	36	End	184
GI	none	Score	.8
Exons	36..90, 109..184		

Seq. No.	2921	Seq. ID	OJ991012_05.0111.C13
Gene No.	6190	Strand	+
Start	610	End	731
Name	OJ991012_05.0111.C13.o1.gs	Method	GENSCAN
Start	610	End	731
GI	none	Score	.85
Exons	610..731		

Seq. No.	2922	Seq. ID	OJ991012_05.0111.C14
Gene No.	6191	Strand	+
Start	283	End	1253
Name	OJ991012_05.0111.C14.o1.gs	Method	GENSCAN
Start	283	End	1253
GI	none	Score	.66
Exons	283..320, 1169..1253		

Seq. No.	2922	Seq. ID	OJ991012_05.0111.C14
Gene No.	6192	Strand	-
Start	2159	End	2300
Name	OJ991012_05.0111.C14.o2.gs	Method	GENSCAN
Start	2159	End	2300
GI	none	Score	.54
Exons	2159..2162, 2210..2300		

Seq. No.	2923	Seq. ID	OJ991012_05.0111.C15
Gene No.	6193	Strand	+
Start	1594	End	3138
Name	OJ991012_05.0111.C15.o1.gs	Method	GENSCAN
Start	1594	End	3138
GI	none	Score	.75
Exons	1594..1866, 1938..2423, 3036..3138		

Seq. No.	2924	Seq. ID	OJ991012_05.0111.C16
Gene No.	6194	Strand	+
Start	166	End	1897
Name	OJ991012_05.0111.C16.o1.gs	Method	GENSCAN
Start	166	End	1879
GI	none	Score	.52
Exons	166..955, 1389..1626, 1644..1879		

Seq. No.	2924	Seq. ID	OJ991012_05.0111.C16
Gene No.	6194	Strand	+
Start	166	End	1897
Name	OJ991012_05.0111.C16.o1.ts	Method	TBLASTX:Soybean
Start	1442	End	1806
GI	none	Score	137
Exons	1442..1660, 1672..1806		

Seq. No.	2924	Seq. ID	OJ991012_05.0111.C16

Gene No.	6194	Strand	+
Start	166	End	1897
Name	OJ991012_05.0111.C16.o1.np	Method	AAT/NAP
Start	1457	End	1897
GI	5902445	Score	280
Exons	1457..1897		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2924	Seq. ID	OJ991012_05.0111.C16
Gene No.	6194	Strand	+
Start	166	End	1897
Name	OJ991012_05.0111.C16.o1.tw	Method	TBLASTX:Wheat
Start	1604	End	1872
GI	none	Score	86
Exons	1604..1660, 1609..1656, 1651..1872, 1662..1802		

Seq. No.	2924	Seq. ID	OJ991012_05.0111.C16
Gene No.	6194	Strand	+
Start	166	End	1897
Name	OJ991012_05.0111.C16.o1.tm	Method	TBLASTX:Maize
Start	1657	End	1872
GI	none	Score	280
Exons	1657..1872, 1662..1802		

Seq. No.	2925	Seq. ID	OJ991012_05.0111.C17
Gene No.	6195	Strand	+
Start	1	End	476
Name	OJ991012_05.0111.C17.o1.np	Method	AAT/NAP
Start	1	End	476
GI	6714458	Score	321
Exons	1..102, 216..476		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	2925	Seq. ID	OJ991012_05.0111.C17
Gene No.	6195	Strand	+
Start	1	End	476
Name	OJ991012_05.0111.C17.o1.tc	Method	TBLASTX:Cress
Start	58	End	410
GI	none	Score	68
Exons	58..102, 257..400, 260..367, 261..410		

Seq. No.	2925	Seq. ID	OJ991012_05.0111.C17
Gene No.	6195	Strand	+
Start	1	End	476
Name	OJ991012_05.0111.C17.o1.gs	Method	GENSCAN
Start	64	End	473
GI	none	Score	.64
Exons	64..145, 166..473		

Seq. No.	2925	Seq. ID	OJ991012_05.0111.C17
Gene No.	6195	Strand	+
Start	1	End	476
Name	OJ991012_05.0111.C17.o1.ts	Method	TBLASTX:Soybean
Start	227	End	452
GI	none	Score	205
Exons	227..340, 228..380, 234..368, 414..452		

Seq. No.	2925	Seq. ID	OJ991012_05.0111.C17
Gene No.	6195	Strand	+
Start	1	End	476
Name	OJ991012_05.0111.C17.o1.tm	Method	TBLASTX:Maize
Start	252	End	382
GI	none	Score	184
Exons	252..374, 252..377, 254..382		

Seq. No.	2926	Seq. ID	OJ991012_05.0111.C18
Gene No.	6196	Strand	-
Start	137	End	1096
Name	OJ991012_05.0111.C18.o1.gs	Method	GENSCAN
Start	137	End	1096
GI	none	Score	.58
Exons	137..582, 658..1096		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6197	Strand	+
Start	631	End	1489
Name	OJ991012_05.0111.C19.o1.gs	Method	GENSCAN
Start	631	End	1489
GI	none	Score	.8
Exons	631..745, 1317..1489		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6198	Strand	+
Start	7584	End	13231
Name	OJ991012_05.0111.C19.o2.np	Method	AAT/NAP
Start	7584	End	13231
GI	6498441	Score	6915
Exons	7584..8648, 8979..9442, 9506..9879, 10063..10197, 10372..10798, 10991..11287, 11459..12856, 12950..13231		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6199	Strand	+
Start	18216	End	21582
Name	OJ991012_05.0111.C19.o4.np	Method	AAT/NAP
Start	18216	End	21582
GI	5042454	Score	351
Exons	18216..18362, 18702..18796, 21284..21582		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6200	Strand	-
Start	1	End	2757
Name	OJ991012_05.0111.C19.o1.np	Method	AAT/NAP
Start	1	End	2757
GI	6815052	Score	763
Exons	1..107, 693..785, 1652..1751, 2050..2167, 2448..2522, 2604..2757		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6200	Strand	-
Start	1	End	2757

Name	OJ991012_05.0111.C19.o2.gs	Method	GENSCAN
Start	2046	End	2757
GI	none	Score	.94
Exons	2046..2167, 2448..2522, 2604..2757		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o9.tw	Method	TBLASTX:Wheat
Start	133	End	459
GI	none	Score	67
Exons	133..459, 169..435		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o6.tw	Method	TBLASTX:Wheat
Start	7733	End	8125
GI	none	Score	50
Exons	7733..7780, 7787..7885, 7792..7884, 7852..8091, 7868..8125		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o4.tm	Method	TBLASTX:Maize
Start	7738	End	8023
GI	none	Score	197
Exons	7738..8022, 7775..8023		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o5.tw	Method	TBLASTX:Wheat
Start	8133	End	11593
GI	none	Score	233
Exons	8133..8186, 11031..11051, 11159..11383, 11174..11383, 11224..11397, 11444..11593, 11453..11590, 11455..11592		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o3.tw	Method	TBLASTX:Wheat
Start	8863	End	9322
GI	none	Score	403
Exons	8863..9006, 8864..9322, 9058..9318		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o4.ts	Method	TBLASTX:Soybean
Start	8885	End	20469
GI	none	Score	77
Exons	8885..9073, 9137..9202, 20104..20469		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582

Name	OJ991012_05.0111.C19.o1.tw	Method	TBLASTX:Wheat
Start	9513	End	19733
GI	none	Score	206
Exons	9513..9956, 9514..9969, 9515..9976, 9515..9970, 19274..19345, 19290..19733, 19293..19481, 19303..19680		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o2.ts	Method	TBLASTX:Soybean
Start	9554	End	19694
GI	none	Score	112
Exons	9554..9778, 9785..9919, 19329..19463, 19470..19694, 19504..19680		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o2.tm	Method	TBLASTX:Maize
Start	9644	End	19601
GI	none	Score	377
Exons	9644..9988, 9679..9987, 9695..9988, 19284..19601, 19375..19590		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o1.tm	Method	TBLASTX:Maize
Start	9989	End	19259
GI	none	Score	286
Exons	9989..10375, 10138..10371, 18799..19110, 18801..19259, 18978..19259		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o2.tw	Method	TBLASTX:Wheat
Start	10084	End	19154
GI	none	Score	493
Exons	10084..10497, 10085..10504, 18807..19154		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o1.ts	Method	TBLASTX:Soybean
Start	10163	End	19112
GI	none	Score	279
Exons	10163..10534, 10180..10323, 18831..19112, 18937..19074		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o3.ts	Method	TBLASTX:Soybean
Start	11282	End	11848
GI	5666795	Score	68
Exons	11282..11380, 11456..11593, 11648..11848		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19

Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o8.tw	Method	TBLASTX:Wheat
Start	11596	End	11908
GI	none	Score	192
Exons	11596..11772, 11609..11797, 11648..11908		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o3.tm	Method	TBLASTX:Maize
Start	12101	End	12424
GI	none	Score	362
Exons	12101..12424, 12130..12411		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o4.tw	Method	TBLASTX:Wheat
Start	12238	End	12619
GI	none	Score	375
Exons	12238..12294, 12239..12619, 12340..12588		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o7.tw	Method	TBLASTX:Wheat
Start	12620	End	13222
GI	none	Score	265
Exons	12620..12904, 12625..12903, 13096..13218, 13097..13222		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o5.tm	Method	TBLASTX:Maize
Start	13091	End	13272
GI	none	Score	188
Exons	13091..13255, 13096..13272		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o4.gs	Method	GENSCAN
Start	13864	End	17100
GI	none	Score	.96
Exons	13864..17100		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o3.np	Method	AAT/NAP
Start	13867	End	17100
GI	6907089	Score	4147
Exons	13867..15745, 15839..17100		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19

Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o5.np	Method	AAT/NAP
Start	15583	End	21582
GI	4544372	Score	623
Exons	15583..15664, 18802..19810, 21558..21582		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o5.gs	Method	GENSCAN
Start	18582	End	19679
GI	none	Score	.47
Exons	18582..19679		

Seq. No.	2927	Seq. ID	OJ991012_05.0111.C19
Gene No.	6201	Strand	-
Start	13864	End	21582
Name	OJ991012_05.0111.C19.o6.gs	Method	GENSCAN
Start	19909	End	21032
GI	none	Score	.93
Exons	19909..20712, 20964..21032		

Seq. No.	2928	Seq. ID	OJ991012_05.0111.C21
Gene No.	6202	Strand	-
Start	51	End	677
Name	OJ991012_05.0111.C21.o1.gp	Method	AAT/GAP
Start	51	End	677
GI	4879016	Score	262
Exons	51..78, 495..677		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	2928	Seq. ID	OJ991012_05.0111.C21
Gene No.	6202	Strand	-
Start	51	End	677
Name	OJ991012_05.0111.C21.o1.gs	Method	GENSCAN
Start	271	End	359
GI	none	Score	.96
Exons	271..359		

Seq. No.	2929	Seq. ID	OJ991022_07.0118.C1
Gene No.	6203	Strand	-
Start	157	End	1064
Name	OJ991022_07.0118.C1.o1.gs	Method	GENSCAN
Start	157	End	1064
GI	none	Score	.74
Exons	157..348, 353..1064		

Seq. No.	2930	Seq. ID	OJ991022_07.0118.C3
Gene No.	6204	Strand	+
Start	268	End	593
Name	OJ991022_07.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	265	End	570

GI	none	Score	45
Exons	265..300, 382..570, 385..558		
Seq. No.	2930	Seq. ID	OJ991022_07.0118.C3
Gene No.	6204	Strand	+
Start	268	End	593
Name	OJ991022_07.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	267	End	569
GI	none	Score	59
Exons	267..305, 268..303, 372..569, 379..564		
Seq. No.	2930	Seq. ID	OJ991022_07.0118.C3
Gene No.	6204	Strand	+
Start	268	End	593
Name	OJ991022_07.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	267	End	566
GI	none	Score	52
Exons	267..311, 268..300, 269..313, 376..561, 382..564, 390..563, 396..566		
Seq. No.	2930	Seq. ID	OJ991022_07.0118.C3
Gene No.	6204	Strand	+
Start	268	End	593
Name	OJ991022_07.0118.C3.o1.gs	Method	GENSCAN
Start	268	End	593
GI	none	Score	.59
Exons	268..302, 396..593		
Seq. No.	2930	Seq. ID	OJ991022_07.0118.C3
Gene No.	6204	Strand	+
Start	268	End	593
Name	OJ991022_07.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	385	End	569
GI	none	Score	98
Exons	385..480, 391..459, 398..478, 457..564, 468..569		
Seq. No.	2931	Seq. ID	OJ991022_07.0118.C4
Gene No.	6205	Strand	+
Start	293	End	517
Name	OJ991022_07.0118.C4.o1.gs	Method	GENSCAN
Start	293	End	517
GI	none	Score	.96
Exons	293..517		
Seq. No.	2932	Seq. ID	OJ991022_07.0118.C5
Gene No.	6206	Strand	+
Start	443	End	916
Name	OJ991022_07.0118.C5.o1.gs	Method	GENSCAN
Start	443	End	916
GI	none	Score	.52
Exons	443..550, 807..916		
Seq. No.	2932	Seq. ID	OJ991022_07.0118.C5
Gene No.	6207	Strand	-
Start	1296	End	1541
Name	OJ991022_07.0118.C5.o1.gp	Method	AAT/GAP
Start	1296	End	1541

GI	51286_1.R1084	Score	332
Exons	1296..1541		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-69 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6208	Strand	+
Start	11298	End	17714
Name	OJ991022_07.0118.C6.o2.gs	Method	GENSCAN
Start	11298	End	16958
GI	none	Score	.56
Exons	11298..11352, 11581..11700, 12034..12309, 12609..12761, 13083..13299, 13340..13503, 14011..14099, 14582..14734, 16526..16622, 16831..16958		

Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6208	Strand	+
Start	11298	End	17714
Name	OJ991022_07.0118.C6.o1.np	Method	AAT/NAP
Start	12007	End	17714
GI	6539588	Score	221
Exons	12007..12309, 17694..17714		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6209	Strand	-
Start	1430	End	6546
Name	OJ991022_07.0118.C6.o1.gs	Method	GENSCAN
Start	1430	End	6546
GI	none	Score	.83
Exons	1430..1492, 1588..1731, 1917..1940, 2593..2665, 2670..2748, 3385..3498, 4314..4441, 4535..4578, 5141..5268, 6408..6546		

Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6209	Strand	-
Start	1430	End	6546
Name	OJ991022_07.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	4250	End	4570
GI	none	Score	132
Exons	4250..4444, 4256..4456, 4267..4452, 4532..4570, 4533..4568, 4534..4569		

Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6209	Strand	-
Start	1430	End	6546
Name	OJ991022_07.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	4256	End	4575
GI	none	Score	242
Exons	4256..4441, 4270..4461, 4272..4442, 4273..4455, 4525..4575, 4537..4569		

Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6209	Strand	-
Start	1430	End	6546
Name	OJ991022_07.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	4256	End	4452
GI	none	Score	77

Exons	4256..4372, 4261..4380, 4263..4364, 4265..4369, 4357..4452, 4376..4441, 4378..4446		
Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6209	Strand	-
Start	1430	End	6546
Name	OJ991022_07.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	4264	End	4572
GI	none	Score	115
Exons	4264..4461, 4268..4441, 4279..4461, 4519..4572, 4537..4572		
Seq. No.	2933	Seq. ID	OJ991022_07.0118.C6
Gene No.	6209	Strand	-
Start	1430	End	6546
Name	OJ991022_07.0118.C6.o1.gp	Method	AAT/GAP
Start	4553	End	5633
GI	287062	Score	700
Exons	4553..4599, 5141..5268, 5423..5633		
Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6210	Strand	+
Start	1	End	7861
Name	OJ991022_07.0118.C7.o3.np	Method	AAT/NAP
Start	1	End	7861
GI	4680183	Score	203
Exons	1..37, 7093..7163, 7772..7861		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6211	Strand	-
Start	673	End	5235
Name	OJ991022_07.0118.C7.o1.np	Method	AAT/NAP
Start	673	End	5235
GI	4680179	Score	7821
Exons	673..5235		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o7.tw	Method	TBLASTX:Wheat
Start	739	End	1051
GI	none	Score	57
Exons	739..900, 784..1050, 842..1051		
Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	898	End	1497
GI	none	Score	252
Exons	898..1338, 911..1333, 1336..1497, 1343..1489		
Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o1.tw	Method	TBLASTX:Wheat

Start	1051	End	1677
GI	none	Score	364
Exons	1051..1677, 1052..1675		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o3.tm	Method	TBLASTX:Maize
Start	1546	End	1837
GI	none	Score	229
Exons	1546..1836, 1550..1837		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o2.ts	Method	TBLASTX:Soybean
Start	1636	End	1896
GI	none	Score	157
Exons	1636..1896, 1637..1891		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o1.tc	Method	TBLASTX:Cress
Start	1660	End	1977
GI	none	Score	87
Exons	1660..1803, 1661..1801, 1804..1977		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o2.tw	Method	TBLASTX:Wheat
Start	1684	End	2216
GI	none	Score	244
Exons	1684..2211, 1685..1939, 1690..2130, 1991..2212, 2013..2216		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o2.tm	Method	TBLASTX:Maize
Start	2239	End	2604
GI	none	Score	157
Exons	2239..2550, 2246..2443, 2251..2604, 2327..2602		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o3.tw	Method	TBLASTX:Wheat
Start	2251	End	2676
GI	none	Score	237
Exons	2251..2637, 2251..2676, 2327..2638		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o3.ts	Method	TBLASTX:Soybean
Start	2425	End	2670

GI	none	Score	189
Exons	2425..2670		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o5.tm	Method	TBLASTX:Maize
Start	2606	End	2958
GI	none	Score	37
Exons	2606..2641, 2611..2958, 2686..2889, 2705..2947		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o5.tw	Method	TBLASTX:Wheat
Start	2677	End	2979
GI	none	Score	234
Exons	2677..2979, 2678..2959, 2877..2978		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	2692	End	3087
GI	none	Score	157
Exons	2692..3051, 2693..2956, 2908..3051, 3008..3055, 3043..3087, 3055..3087		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o4.tm	Method	TBLASTX:Maize
Start	2974	End	3441
GI	none	Score	128
Exons	2974..3441, 3008..3370		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o4.tw	Method	TBLASTX:Wheat
Start	3028	End	3510
GI	none	Score	189
Exons	3028..3510, 3037..3399, 3071..3406		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o4.ts	Method	TBLASTX:Soybean
Start	3160	End	3474
GI	none	Score	59
Exons	3160..3474, 3161..3358		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o8.tw	Method	TBLASTX:Wheat
Start	3673	End	4089

GI	none	Score	103
Exons	3673..3855, 3674..3829, 3895..4089, 3941..4039		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o7.tm	Method	TBLASTX:Maize
Start	3772	End	4092
GI	none	Score	62
Exons	3772..4092, 3947..4039		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o6.tm	Method	TBLASTX:Maize
Start	4396	End	4728
GI	none	Score	111
Exons	4396..4728, 4444..4728, 4541..4711		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o6.tw	Method	TBLASTX:Wheat
Start	4609	End	4968
GI	none	Score	96
Exons	4609..4968, 4610..4843, 4868..4942		

Seq. No.	2934	Seq. ID	OJ991022_07.0118.C7
Gene No.	6212	Strand	-
Start	5488	End	6321
Name	OJ991022_07.0118.C7.o2.np	Method	AAT/NAP
Start	5488	End	6321
GI	5042448	Score	1218
Exons	5488..6321		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	2935	Seq. ID	OJ991022_07.0118.C8
Gene No.	6213	Strand	+
Start	230	End	520
Name	OJ991022_07.0118.C8.o1.np	Method	AAT/NAP
Start	230	End	520
GI	6539588	Score	188
Exons	230..520		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2935	Seq. ID	OJ991022_07.0118.C8
Gene No.	6213	Strand	+
Start	230	End	520
Name	OJ991022_07.0118.C8.o1.gs	Method	GENSCAN
Start	302	End	518
GI	none	Score	.86
Exons	302..518		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6214	Strand	+
Start	487	End	2560

Name	OJ991022_07.0118.C9.o1.gs	Method	GENSCAN
Start	487	End	2560
GI	none	Score	.69
Exons	487..621, 1426..1480, 1787..1957, 2361..2560		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6215	Strand	+
Start	15758	End	16086
Name	OJ991022_07.0118.C9.o1.gp	Method	AAT/GAP
Start	15758	End	16086
GI	none	Score	605
Exons	15758..16086		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	11247	End	11483
GI	none	Score	193
Exons	11247..11483		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o2.tm	Method	TBLASTX:Maize
Start	11415	End	11708
GI	none	Score	153
Exons	11415..11588, 11423..11611, 11470..11589, 11607..11708		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o1.ts	Method	TBLASTX:Soybean
Start	16079	End	17995
GI	none	Score	184
Exons	16079..16399, 16087..16401, 17633..17815, 17646..17828, 17936..17995		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	16091	End	17982
GI	none	Score	391
Exons	16091..16186, 16093..16401, 16094..16399, 17633..17791, 17640..17813, 17709..17813, 17866..17928, 17869..17982		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o1.tc	Method	TBLASTX:Cress
Start	16093	End	17791
GI	none	Score	53
Exons	16093..16401, 16097..16141, 16099..16371, 16178..16399, 17609..17791, 17646..17783		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9

Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o1.np	Method	AAT/NAP
Start	16096	End	18192
GI	6751686	Score	564
Exons	16096..16398, 17639..17791, 17902..18192		
GI Descrip.	(AC018908) putative iron-regulated transporter [Arabidopsis thaliana]		

Seq. No.	2936	Seq. ID	OJ991022_07.0118.C9
Gene No.	6216	Strand	-
Start	16096	End	18192
Name	OJ991022_07.0118.C9.o3.gs	Method	GENSCAN
Start	17174	End	18148
GI	none	Score	.78
Exons	17174..17248, 17639..17788, 17878..18148		

Seq. No.	2937	Seq. ID	OJ991022_07.0118.C10
Gene No.	6217	Strand	-
Start	1490	End	1642
Name	OJ991022_07.0118.C10.o1.gs	Method	GENSCAN
Start	1490	End	1642
GI	none	Score	.73
Exons	1490..1642		

Seq. No.	2938	Seq. ID	OJ991022_07.0118.C11
Gene No.	6218	Strand	+
Start	1351	End	1770
Name	OJ991022_07.0118.C11.o1.gp	Method	AAT/GAP
Start	1351	End	1770
GI	none	Score	832
Exons	1351..1770		

Seq. No.	2939	Seq. ID	OJ991022_07.0118.C14
Gene No.	6219	Strand	+
Start	75	End	4957
Name	OJ991022_07.0118.C14.o1.gs	Method	GENSCAN
Start	75	End	4957
GI	none	Score	.62
Exons	75..198, 1300..1342, 1430..1632, 2329..2446, 4842..4957		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o1.np	Method	AAT/NAP
Start	77	End	4478
GI	2586082	Score	4813
Exons	77..2782, 2858..4478		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o1.gs	Method	GENSCAN
Start	86	End	5253
GI	none	Score	.42
Exons	86..842, 856..975, 1017..1166, 2460..2902, 2949..3169,		

3254..3653, 4602..4689, 5012..5253

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o3.tm	Method	TBLASTX:Maize
Start	155	End	592
GI	none	Score	89
Exons	155..259, 283..588, 284..586, 308..592		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o5.tw	Method	TBLASTX:Wheat
Start	407	End	724
GI	none	Score	134
Exons	407..562, 468..554, 557..724		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o3.tw	Method	TBLASTX:Wheat
Start	1048	End	1379
GI	none	Score	88
Exons	1048..1107, 1051..1107, 1103..1219, 1105..1212, 1213..1377, 1214..1378, 1227..1379		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o3.ts	Method	TBLASTX:Soybean
Start	1445	End	1855
GI	none	Score	203
Exons	1445..1660, 1552..1656, 1685..1855		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o6.tw	Method	TBLASTX:Wheat
Start	1664	End	1963
GI	none	Score	147
Exons	1664..1846, 1692..1811, 1693..1845, 1874..1963		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o1.tc	Method	TBLASTX:Cress
Start	1868	End	2317
GI	none	Score	341
Exons	1868..2317, 1879..2013, 2042..2212		

Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o4.ts	Method	TBLASTX:Soybean
Start	1880	End	2299
GI	none	Score	262

Exons	1880..2299, 1918..2085, 2167..2232		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o4.tw	Method	TBLASTX:Wheat
Start	1970	End	2327
GI	none	Score	296
Exons	1970..2317, 1989..2327, 2104..2313		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o5.tm	Method	TBLASTX:Maize
Start	1973	End	2296
GI	none	Score	287
Exons	1973..2296, 2101..2292		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o2.ts	Method	TBLASTX:Soybean
Start	2961	End	3452
GI	5509260	Score	416
Exons	2961..3452, 2964..3092, 3071..3415, 3270..3422		
GI Descrip.	-		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o6.tm	Method	TBLASTX:Maize
Start	2996	End	3248
GI	none	Score	222
Exons	2996..3247, 2997..3248		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o2.tc	Method	TBLASTX:Cress
Start	3069	End	3335
GI	none	Score	290
Exons	3069..3335, 3074..3334		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o2.tw	Method	TBLASTX:Wheat
Start	3117	End	3629
GI	none	Score	283
Exons	3117..3461, 3134..3235, 3269..3421, 3453..3629		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o2.tm	Method	TBLASTX:Maize
Start	3249	End	3689
GI	none	Score	385

Exons	3249..3689, 3269..3412		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o2.np	Method	AAT/NAP
Start	3428	End	5336
GI	6016696	Score	135
Exons	3428..3479, 4823..5220, 5301..5336		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o4.tc	Method	TBLASTX:Cress
Start	3516	End	3764
GI	none	Score	182
Exons	3516..3764		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o1.tw	Method	TBLASTX:Wheat
Start	3630	End	4067
GI	none	Score	434
Exons	3630..4067, 3635..4066		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o4.tm	Method	TBLASTX:Maize
Start	3749	End	3986
GI	none	Score	290
Exons	3749..3958, 3750..3986, 3768..3986		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o1.ts	Method	TBLASTX:Soybean
Start	3831	End	4427
GI	none	Score	518
Exons	3831..4427, 3833..4222, 4029..4226, 4290..4346		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o1.tm	Method	TBLASTX:Maize
Start	3998	End	4421
GI	none	Score	143
Exons	3998..4132, 3999..4127, 4018..4131, 4134..4421, 4134..4358		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o3.tc	Method	TBLASTX:Cress
Start	4002	End	4454
GI	none	Score	63

Exons	4002..4094, 4103..4231, 4104..4232, 4260..4454		
Seq. No.	2940	Seq. ID	OJ991022_07.0118.C15
Gene No.	6220	Strand	+
Start	77	End	5336
Name	OJ991022_07.0118.C15.o7.tw	Method	TBLASTX:Wheat
Start	4074	End	4427
GI	none	Score	93
Exons	4074..4247, 4110..4232, 4243..4275, 4248..4427		
Seq. No.	2941	Seq. ID	OJ991022_07.0118.C16
Gene No.	6221	Strand	+
Start	938	End	2374
Name	OJ991022_07.0118.C16.o1.np	Method	AAT/NAP
Start	938	End	2374
GI	5852173	Score	792
Exons	938..2374		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		
Seq. No.	2941	Seq. ID	OJ991022_07.0118.C16
Gene No.	6222	Strand	+
Start	7229	End	7453
Name	OJ991022_07.0118.C16.o2.gs	Method	GENSCAN
Start	7229	End	7453
GI	none	Score	.86
Exons	7229..7453		
Seq. No.	2941	Seq. ID	OJ991022_07.0118.C16
Gene No.	6223	Strand	-
Start	7981	End	8481
Name	OJ991022_07.0118.C16.o3.gs	Method	GENSCAN
Start	7981	End	8481
GI	none	Score	.94
Exons	7981..8481		
Seq. No.	2942	Seq. ID	OJ991022_07.0118.C17
Gene No.	6224	Strand	-
Start	719	End	1117
Name	OJ991022_07.0118.C17.o1.gs	Method	GENSCAN
Start	719	End	1117
GI	none	Score	.89
Exons	719..855, 958..1117		
Seq. No.	2942	Seq. ID	OJ991022_07.0118.C17
Gene No.	6225	Strand	-
Start	2999	End	4621
Name	OJ991022_07.0118.C17.o1.np	Method	AAT/NAP
Start	2999	End	4621
GI	5852173	Score	949
Exons	2999..4621		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		
Seq. No.	2942	Seq. ID	OJ991022_07.0118.C17
Gene No.	6226	Strand	-
Start	7854	End	8802
Name	OJ991022_07.0118.C17.o3.gs	Method	GENSCAN
Start	7854	End	8802

GI	none	Score	.85
Exons	7854..7966, 8603..8802		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6227	Strand	+
Start	967	End	1752
Name	OJ991022_07.0118.C18.o1.gs	Method	GENSCAN
Start	967	End	1752
GI	none	Score	.81
Exons	967..1021, 1077..1207, 1213..1752		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6228	Strand	-
Start	815	End	2866
Name	OJ991022_07.0118.C18.o1.np	Method	AAT/NAP
Start	815	End	2866
GI	4512618	Score	604
Exons	815..973, 1866..2866		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6228	Strand	-
Start	815	End	2866
Name	OJ991022_07.0118.C18.o2.tm	Method	TBLASTX:Maize
Start	1839	End	2198
GI	none	Score	49
Exons	1839..1898, 1863..1898, 1902..2198, 1908..2198		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6228	Strand	-
Start	815	End	2866
Name	OJ991022_07.0118.C18.o2.gs	Method	GENSCAN
Start	1860	End	2527
GI	none	Score	.77
Exons	1860..2527		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6228	Strand	-
Start	815	End	2866
Name	OJ991022_07.0118.C18.o1.ts	Method	TBLASTX:Soybean
Start	1899	End	2504
GI	none	Score	141
Exons	1899..2504, 2017..2310		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6228	Strand	-
Start	815	End	2866
Name	OJ991022_07.0118.C18.o1.tm	Method	TBLASTX:Maize
Start	2199	End	2552
GI	none	Score	131
Exons	2199..2552, 2215..2328, 2418..2489, 2425..2544		

Seq. No.	2943	Seq. ID	OJ991022_07.0118.C18
Gene No.	6228	Strand	-
Start	815	End	2866

Name	OJ991022_07.0118.C18.o1.tw	Method	TBLASTX:Wheat
Start	2268	End	2528
GI	none	Score	54
Exons	2268..2528, 2269..2379, 2425..2526		

Seq. No.	2944	Seq. ID	OJ991022_07.0118.C20
Gene No.	6229	Strand	+
Start	91	End	319
Name	OJ991022_07.0118.C20.o1.gp	Method	AAT/GAP
Start	91	End	319
GI	none	Score	425
Exons	91..319		

Seq. No.	2945	Seq. ID	OJ991102_04.0121.C1
Gene No.	6230	Strand	+
Start	1	End	1387
Name	OJ991102_04.0121.C1.o1.np	Method	AAT/NAP
Start	1	End	1387
GI	4101703	Score	120
Exons	1..74, 1090..1115, 1307..1387		
GI Descrip.	(AF006078) glucose acyltransferase [Solanum berthaultii]		

Seq. No.	2945	Seq. ID	OJ991102_04.0121.C1
Gene No.	6231	Strand	-
Start	954	End	1670
Name	OJ991102_04.0121.C1.o1.gs	Method	GENSCAN
Start	954	End	1670
GI	none	Score	.93
Exons	954..1094, 1509..1670		

Seq. No.	2946	Seq. ID	OJ991102_04.0121.C2
Gene No.	6232	Strand	+
Start	362	End	1065
Name	OJ991102_04.0121.C2.o1.gs	Method	GENSCAN
Start	362	End	1065
GI	none	Score	.51
Exons	362..495, 843..1065		

Seq. No.	2946	Seq. ID	OJ991102_04.0121.C2
Gene No.	6233	Strand	+
Start	2496	End	3425
Name	OJ991102_04.0121.C2.o2.gs	Method	GENSCAN
Start	2496	End	3425
GI	none	Score	.4
Exons	2496..2873, 3102..3251, 3351..3425		

Seq. No.	2946	Seq. ID	OJ991102_04.0121.C2
Gene No.	6234	Strand	+
Start	3458	End	3976
Name	OJ991102_04.0121.C2.o1.np	Method	AAT/NAP
Start	3458	End	3976
GI	6691191	Score	366
Exons	3458..3976		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	2946	Seq. ID	OJ991102_04.0121.C2
Gene No.	6234	Strand	+

Start	3458	End	3976
Name	OJ991102_04.0121.C2.o1.ts	Method	TBLASTX:Soybean
Start	3604	End	3965
GI	none	Score	97
Exons	3604..3768, 3696..3767, 3766..3855, 3767..3856, 3822..3965		

Seq. No.	2946	Seq. ID	OJ991102_04.0121.C2
Gene No.	6234	Strand	+
Start	3458	End	3976
Name	OJ991102_04.0121.C2.o1.tw	Method	TBLASTX:Wheat
Start	3604	End	3974
GI	none	Score	93
Exons	3604..3765, 3766..3849, 3822..3974, 3845..3919		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6235	Strand	+
Start	1	End	1133
Name	OJ991102_04.0121.C4.o1.np	Method	AAT/NAP
Start	1	End	1133
GI	480314	Score	907
Exons	1..1133		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6235	Strand	+
Start	1	End	1133
Name	OJ991102_04.0121.C4.o1.gs	Method	GENSCAN
Start	53	End	1124
GI	none	Score	.64
Exons	53..1124		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6236	Strand	-
Start	2036	End	2319
Name	OJ991102_04.0121.C4.o2.ts	Method	TBLASTX:Soybean
Start	9	End	530
GI	none	Score	135
Exons	9..194, 228..269, 348..485, 465..530		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6236	Strand	-
Start	2036	End	2319
Name	OJ991102_04.0121.C4.o1.ts	Method	TBLASTX:Soybean
Start	564	End	965
GI	none	Score	376
Exons	564..965, 638..961		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6236	Strand	-
Start	2036	End	2319
Name	OJ991102_04.0121.C4.o1.tm	Method	TBLASTX:Maize
Start	678	End	941
GI	none	Score	186
Exons	678..941		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6236	Strand	-
Start	2036	End	2319
Name	OJ991102_04.0121.C4.o1.tc	Method	TBLASTX:Cress
Start	701	End	938
GI	none	Score	202
Exons	701..937, 711..938		

Seq. No.	2947	Seq. ID	OJ991102_04.0121.C4
Gene No.	6236	Strand	-
Start	2036	End	2319
Name	OJ991102_04.0121.C4.o2.gs	Method	GENSCAN
Start	2036	End	2319
GI	none	Score	.97
Exons	2036..2319		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6237	Strand	+
Start	5849	End	7329
Name	OJ991102_04.0121.C5.o3.np	Method	AAT/NAP
Start	5849	End	7329
GI	6907087	Score	469
Exons	5849..6688, 7228..7329		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6238	Strand	+
Start	15502	End	16760
Name	OJ991102_04.0121.C5.o5.np	Method	AAT/NAP
Start	15502	End	16760
GI	3250689	Score	392
Exons	15502..16760		
GI Descrip.	(AL024486) chitinase-like protein [Arabidopsis thaliana]		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6239	Strand	-
Start	215	End	2495
Name	OJ991102_04.0121.C5.o1.np	Method	AAT/NAP
Start	215	End	2495
GI	3080442	Score	81
Exons	215..238, 1472..1701, 2440..2495		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6239	Strand	-
Start	215	End	2495
Name	OJ991102_04.0121.C5.o1.gs	Method	GENSCAN
Start	751	End	1902
GI	none	Score	.79
Exons	751..1141, 1269..1445, 1555..1760, 1849..1902		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6240	Strand	-
Start	3292	End	4335

Name	OJ991102_04.0121.C5.o2.np	Method	AAT/NAP
Start	3292	End	4335
GI	5042463	Score	164
Exons	3292..3454, 4133..4335		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6241	Strand	-
Start	7727	End	7947
Name	OJ991102_04.0121.C5.o2.tm	Method	TBLASTX:Maize
Start	1512	End	1682
GI	none	Score	91
Exons	1512..1682, 1539..1646, 1636..1680		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6241	Strand	-
Start	7727	End	7947
Name	OJ991102_04.0121.C5.o4.np	Method	AAT/NAP
Start	7727	End	7947
GI	4680186	Score	207
Exons	7727..7947		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2948	Seq. ID	OJ991102_04.0121.C5
Gene No.	6242	Strand	
Start	15721	End	15987
Name	OJ991102_04.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	15721	End	15987
GI	none	Score	227
Exons	15721..15903, 15726..15908, 15726..15905, 15730..15906, 15906..15986, 15907..15987		

Seq. No.	2949	Seq. ID	OJ991102_04.0121.C8
Gene No.	6243	Strand	+
Start	709	End	980
Name	OJ991102_04.0121.C8.o1.gs	Method	GENSCAN
Start	709	End	980
GI	none	Score	.58
Exons	709..980		

Seq. No.	2950	Seq. ID	OJ991102_04.0121.C9
Gene No.	6244	Strand	+
Start	1	End	3399
Name	OJ991102_04.0121.C9.o1.np	Method	AAT/NAP
Start	1	End	3384
GI	4680204	Score	910
Exons	1..1002, 1098..2302, 2410..2583, 2677..2825, 3179..3384		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2950	Seq. ID	OJ991102_04.0121.C9
Gene No.	6244	Strand	+
Start	1	End	3399
Name	OJ991102_04.0121.C9.o1.gs	Method	GENSCAN
Start	52	End	3399
GI	none	Score	.78
Exons	52..837, 883..1002, 1098..1197, 1413..1615, 1617..2302, 2410..2583, 2677..2787, 2872..2944, 3039..3137, 3217..3399		

Seq. No.	2950	Seq. ID	OJ991102_04.0121.C9
Gene No.	6245	Strand	-
Start	1	End	5494
Name	OJ991102_04.0121.C9.o2.np	Method	AAT/NAP
Start	1	End	5494
GI	4101703	Score	142
Exons	1..37, 4244..4345, 4510..4562, 5398..5494		
GI Descrip.	(AF006078) glucose acyltransferase [Solanum berthaultii]		

Seq. No.	2950	Seq. ID	OJ991102_04.0121.C9
Gene No.	6245	Strand	-
Start	1	End	5494
Name	OJ991102_04.0121.C9.o1.tw	Method	TBLASTX:Wheat
Start	215	End	612
GI	none	Score	64
Exons	215..355, 215..325, 217..444, 217..411, 318..413, 448..612		

Seq. No.	2951	Seq. ID	OJ991102_04.0121.C11
Gene No.	6246	Strand	+
Start	515	End	2012
Name	OJ991102_04.0121.C11.o1.gs	Method	GENSCAN
Start	515	End	2012
GI	none	Score	.77
Exons	515..636, 1794..1892, 1915..2012		

Seq. No.	2951	Seq. ID	OJ991102_04.0121.C11
Gene No.	6247	Strand	-
Start	1755	End	4902
Name	OJ991102_04.0121.C11.o1.np	Method	AAT/NAP
Start	1755	End	4902
GI	6119535	Score	203
Exons	1755..1776, 4243..4365, 4488..4544, 4698..4902		
GI Descrip.	(AC011560) putative glucose acyltransferase [Arabidopsis thaliana]		

Seq. No.	2951	Seq. ID	OJ991102_04.0121.C11
Gene No.	6247	Strand	-
Start	1755	End	4902
Name	OJ991102_04.0121.C11.o1.tm	Method	TBLASTX:Maize
Start	4243	End	4863
GI	none	Score	146
Exons	4243..4368, 4244..4366, 4473..4532, 4474..4533, 4716..4862, 4717..4863, 4718..4861, 4782..4862		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6248	Strand	+
Start	897	End	2321
Name	OJ991102_04.0121.C12.o1.gs	Method	GENSCAN
Start	897	End	2321
GI	none	Score	.49
Exons	897..899, 1152..1520, 2119..2201, 2234..2321		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6249	Strand	+
Start	9034	End	16748
Name	OJ991102_04.0121.C12.o4.gs	Method	GENSCAN

Start	9034	End	15676
GI	none	Score	.82
Exons	9034..9184, 10045..10183, 11120..11312, 11356..11537, 11665..11815, 11903..11982, 12392..12505, 13972..14329, 14343..14495, 14567..14729, 14976..15676		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6249	Strand	+
Start	9034	End	16748
Name	OJ991102_04.0121.C12.o2.np	Method	AAT/NAP
Start	10707	End	13796
GI	5042463	Score	121
Exons	10707..10734, 12651..12863, 13527..13664, 13716..13796		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6249	Strand	+
Start	9034	End	16748
Name	OJ991102_04.0121.C12.o4.np	Method	AAT/NAP
Start	11893	End	16723
GI	4680204	Score	519
Exons	11893..11931, 13775..14495, 14588..15670, 15811..15952, 15980..16136, 16490..16723		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6249	Strand	+
Start	9034	End	16748
Name	OJ991102_04.0121.C12.o3.np	Method	AAT/NAP
Start	13768	End	16723
GI	4680204	Score	518
Exons	13768..14495, 14588..15670, 15811..15952, 15980..16136, 16490..16723		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6249	Strand	+
Start	9034	End	16748
Name	OJ991102_04.0121.C12.o5.gs	Method	GENSCAN
Start	16087	End	16748
GI	none	Score	.86
Exons	16087..16136, 16378..16510, 16557..16748		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6250	Strand	-
Start	6866	End	8405
Name	OJ991102_04.0121.C12.o3.gs	Method	GENSCAN
Start	6866	End	8405
GI	none	Score	.45
Exons	6866..7047, 7524..7694, 8345..8405		

Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6251	Strand	-
Start	11121	End	11734
Name	OJ991102_04.0121.C12.o1.np	Method	AAT/NAP
Start	11121	End	11734
GI	6562319	Score	291

Exons	11121..11507, 11646..11734		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		
Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6252	Strand	-
Start	17857	End	18449
Name	OJ991102_04.0121.C12.o1.tc	Method	TBLASTX:Cress
Start	11124	End	11507
GI	none	Score	167
Exons	11124..11246, 11304..11507		
Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6252	Strand	-
Start	17857	End	18449
Name	OJ991102_04.0121.C12.o1.ts	Method	TBLASTX:Soybean
Start	11137	End	11519
GI	none	Score	45
Exons	11137..11178, 11199..11375, 11304..11519		
Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6252	Strand	-
Start	17857	End	18449
Name	OJ991102_04.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	11256	End	11699
GI	none	Score	115
Exons	11256..11399, 11304..11480, 11499..11552, 11500..11553, 11676..11699, 11677..11694		
Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6252	Strand	-
Start	17857	End	18449
Name	OJ991102_04.0121.C12.o1.tw	Method	TBLASTX:Wheat
Start	13807	End	14146
GI	none	Score	138
Exons	13807..13905, 13808..13975, 13970..14110, 14114..14146		
Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6252	Strand	-
Start	17857	End	18449
Name	OJ991102_04.0121.C12.o1.gp	Method	AAT/GAP
Start	17857	End	18387
GI	5816565	Score	662
Exons	17857..18201, 18357..18387		
GI Descrip.	3169175/gb|AAC17818.1| 2.0e-43 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]		
Seq. No.	2952	Seq. ID	OJ991102_04.0121.C12
Gene No.	6252	Strand	-
Start	17857	End	18449
Name	OJ991102_04.0121.C12.o5.np	Method	AAT/NAP
Start	18121	End	18449
GI	4101703	Score	104
Exons	18121..18201, 18357..18449		
GI Descrip.	(AF006078) glucose acyltransferase [Solanum berthaultii]		
Seq. No.	2953	Seq. ID	OJ991102_04.0121.C13
Gene No.	6253	Strand	+

Start	2615	End	5313
Name	OJ991102_04.0121.C13.o2.gs	Method	GENSCAN
Start	2615	End	5313
GI	none	Score	.68
Exons	2615..3399, 4955..5313		

Seq. No.	2953	Seq. ID	OJ991102_04.0121.C13
Gene No.	6254	Strand	-
Start	142	End	756
Name	OJ991102_04.0121.C13.o1.gs	Method	GENSCAN
Start	142	End	756
GI	none	Score	1
Exons	142..756		

Seq. No.	2953	Seq. ID	OJ991102_04.0121.C13
Gene No.	6255	Strand	
Start	5049	End	5402
Name	OJ991102_04.0121.C13.o1.tw	Method	TBLASTX:Wheat
Start	5049	End	5402
GI	none	Score	47
Exons	5049..5099, 5052..5090, 5086..5184, 5090..5182, 5207..5401, 5211..5402		

Seq. No.	2954	Seq. ID	OJ991102_04.0121.C14
Gene No.	6256	Strand	+
Start	1	End	2118
Name	OJ991102_04.0121.C14.o1.np	Method	AAT/NAP
Start	1	End	2118
GI	6721547	Score	104
Exons	1..279, 2083..2118		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	2954	Seq. ID	OJ991102_04.0121.C14
Gene No.	6256	Strand	+
Start	1	End	2118
Name	OJ991102_04.0121.C14.o1.gs	Method	GENSCAN
Start	109	End	1344
GI	none	Score	.87
Exons	109..1344		

Seq. No.	2954	Seq. ID	OJ991102_04.0121.C14
Gene No.	6257	Strand	+
Start	7567	End	8332
Name	OJ991102_04.0121.C14.o2.np	Method	AAT/NAP
Start	7567	End	8332
GI	4680183	Score	181
Exons	7567..7637, 8243..8332		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2955	Seq. ID	OJ991102_04.0121.C15
Gene No.	6258	Strand	+
Start	837	End	1480
Name	OJ991102_04.0121.C15.o1.np	Method	AAT/NAP
Start	837	End	1480
GI	6721559	Score	398
Exons	837..1311, 1340..1480		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	2955	Seq. ID	OJ991102_04.0121.C15
Gene No.	6259	Strand	-
Start	1753	End	2149
Name	OJ991102_04.0121.C15.o2.np	Method	AAT/NAP
Start	1753	End	2149
GI	4680179	Score	678
Exons	1753..2149		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2955	Seq. ID	OJ991102_04.0121.C15
Gene No.	6259	Strand	-
Start	1753	End	2149
Name	OJ991102_04.0121.C15.o1.tw	Method	TBLASTX:Wheat
Start	1763	End	2146
GI	none	Score	35
Exons	1763..1816, 1798..2142, 1819..1980, 1922..2038, 2023..2103, 2060..2146		

Seq. No.	2955	Seq. ID	OJ991102_04.0121.C15
Gene No.	6259	Strand	-
Start	1753	End	2149
Name	OJ991102_04.0121.C15.o1.tm	Method	TBLASTX:Maize
Start	1894	End	2148
GI	none	Score	68
Exons	1894..2148, 1912..2040, 1922..2140		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o1.np	Method	AAT/NAP
Start	1	End	3327
GI	4680179	Score	5568
Exons	1..3327		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o5.tw	Method	TBLASTX:Wheat
Start	3	End	300
GI	none	Score	78
Exons	3..116, 3..299, 16..300		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o2.tm	Method	TBLASTX:Maize
Start	21	End	341
GI	none	Score	64
Exons	21..119, 24..341, 28..330		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327

Name	OJ991102_04.0121.C16.o1.gs	Method	GENSCAN
Start	244	End	3266
GI	none	Score	.73
Exons	244..3266		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o2.ts	Method	TBLASTX:Soybean
Start	258	End	518
GI	none	Score	151
Exons	258..518, 259..513		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o1.tc	Method	TBLASTX:Cress
Start	282	End	599
GI	none	Score	81
Exons	282..425, 283..423, 426..599		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o2.tw	Method	TBLASTX:Wheat
Start	306	End	785
GI	none	Score	238
Exons	306..785, 307..561, 312..752		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o5.tm	Method	TBLASTX:Maize
Start	342	End	656
GI	none	Score	107
Exons	342..656, 343..546, 354..575		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o1.tw	Method	TBLASTX:Wheat
Start	789	End	1298
GI	none	Score	235
Exons	789..1298, 873..1220, 955..1266		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o1.tm	Method	TBLASTX:Maize
Start	861	End	1226
GI	none	Score	159
Exons	861..1172, 868..1065, 873..1226, 958..1224		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o3.ts	Method	TBLASTX:Soybean

Start	1047	End	1292
GI	none	Score	199
Exons	1047..1292		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o3.tm	Method	TBLASTX:Maize
Start	1263	End	1763
GI	none	Score	43
Exons	1263..1598, 1306..1356, 1308..1511, 1381..1512, 1584..1763		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o4.tw	Method	TBLASTX:Wheat
Start	1299	End	1601
GI	none	Score	240
Exons	1299..1601, 1300..1581, 1499..1600		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o1.ts	Method	TBLASTX:Soybean
Start	1314	End	1709
GI	none	Score	73
Exons	1314..1418, 1314..1673, 1315..1578, 1593..1673, 1665..1709, 1677..1709		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o3.tw	Method	TBLASTX:Wheat
Start	1650	End	2132
GI	none	Score	190
Exons	1650..2132, 1659..2021, 1693..2028		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o4.ts	Method	TBLASTX:Soybean
Start	1782	End	2096
GI	none	Score	59
Exons	1782..2096, 1783..1980		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o4.tm	Method	TBLASTX:Maize
Start	1831	End	2120
GI	none	Score	165
Exons	1831..2022, 1833..2120		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o6.tw	Method	TBLASTX:Wheat

Start	2289	End	2711
GI	none	Score	105
Exons	2289..2480, 2290..2451, 2502..2711, 2563..2661, 2595..2708		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o7.tw	Method	TBLASTX:Wheat
Start	2988	End	3327
GI	none	Score	121
Exons	2988..3083, 3054..3323, 3142..3327		

Seq. No.	2956	Seq. ID	OJ991102_04.0121.C16
Gene No.	6260	Strand	-
Start	1	End	3327
Name	OJ991102_04.0121.C16.o6.tm	Method	TBLASTX:Maize
Start	3018	End	3327
GI	none	Score	97
Exons	3018..3323, 3066..3317, 3163..3327		

Seq. No.	2957	Seq. ID	OJ991102_04.0121.C17
Gene No.	6261	Strand	-
Start	1	End	718
Name	OJ991102_04.0121.C17.o1.np	Method	AAT/NAP
Start	1	End	652
GI	5042448	Score	1007
Exons	1..652		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	2957	Seq. ID	OJ991102_04.0121.C17
Gene No.	6261	Strand	-
Start	1	End	718
Name	OJ991102_04.0121.C17.o1.gs	Method	GENSCAN
Start	125	End	718
GI	none	Score	.88
Exons	125..718		

Seq. No.	2958	Seq. ID	OJ991102_04.0121.C18
Gene No.	6262	Strand	-
Start	770	End	1163
Name	OJ991102_04.0121.C18.o1.gs	Method	GENSCAN
Start	770	End	1163
GI	none	Score	.98
Exons	770..845, 1000..1163		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19
Gene No.	6263	Strand	+
Start	755	End	1202
Name	OJ991102_04.0121.C19.o1.gp	Method	AAT/GAP
Start	755	End	1202
GI	LIB3431-028-P1-N1-A10	Score	772
Exons	755..825, 853..1202		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19

Gene No.	6264	Strand	+
Start	2062	End	5435
Name	OJ991102_04.0121.C19.o2.np	Method	AAT/NAP
Start	2062	End	5435
GI	5852180	Score	473
Exons	2062..2125, 3105..3223, 3275..3685, 5409..5435		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19
Gene No.	6265	Strand	-
Start	821	End	4964
Name	OJ991102_04.0121.C19.o1.gs	Method	GENSCAN
Start	821	End	1669
GI	none	Score	.94
Exons	821..1669		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19
Gene No.	6265	Strand	-
Start	821	End	4964
Name	OJ991102_04.0121.C19.o1.np	Method	AAT/NAP
Start	842	End	4964
GI	4680203	Score	783
Exons	842..1717, 4925..4964		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19
Gene No.	6265	Strand	-
Start	821	End	4964
Name	OJ991102_04.0121.C19.o1.tw	Method	TBLASTX:Wheat
Start	896	End	1708
GI	none	Score	125
Exons	896..1012, 977..1057, 1070..1210, 1071..1211, 1158..1253, 1190..1249, 1256..1297, 1256..1300, 1261..1302, 1295..1708, 1311..1706		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19
Gene No.	6265	Strand	-
Start	821	End	4964
Name	OJ991102_04.0121.C19.o2.gp	Method	AAT/GAP
Start	1974	End	2355
GI	uC-osflcyp033a04b1	Score	671
Exons	1974..2355		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2959	Seq. ID	OJ991102_04.0121.C19
Gene No.	6265	Strand	-
Start	821	End	4964
Name	OJ991102_04.0121.C19.o2.gs	Method	GENSCAN
Start	3159	End	3803
GI	none	Score	.69
Exons	3159..3233, 3429..3803		

Seq. No.	2960	Seq. ID	OJ991102_04.0121.C21
Gene No.	6266	Strand	+
Start	261	End	414
Name	OJ991102_04.0121.C21.o1.gs	Method	GENSCAN

Start	261	End	357
GI	none	Score	.69
Exons	261..357		

Seq. No.	2960	Seq. ID	OJ991102_04.0121.C21
Gene No.	6266	Strand	+
Start	261	End	414
Name	OJ991102_04.0121.C21.o1.np	Method	AAT/NAP
Start	261	End	414
GI	5042447	Score	245
Exons	261..414		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2961	Seq. ID	OJ991102_06.0120.C1
Gene No.	6267	Strand	-
Start	792	End	1399
Name	OJ991102_06.0120.C1.o1.gs	Method	GENSCAN
Start	792	End	1399
GI	none	Score	.57
Exons	792..863, 1029..1127, 1397..1399		

Seq. No.	2962	Seq. ID	OJ991102_06.0120.C2
Gene No.	6268	Strand	+
Start	941	End	1066
Name	OJ991102_06.0120.C2.o1.np	Method	AAT/NAP
Start	941	End	1066
GI	5852093	Score	72
Exons	941..1066		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6269	Strand	+
Start	144	End	280
Name	OJ991102_06.0120.C3.o1.gs	Method	GENSCAN
Start	144	End	280
GI	none	Score	.91
Exons	144..280		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6270	Strand	+
Start	5132	End	8631
Name	OJ991102_06.0120.C3.o3.gs	Method	GENSCAN
Start	5132	End	8631
GI	none	Score	.8
Exons	5132..5165, 6137..6159, 6194..6269, 7986..8168, 8498..8631		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6271	Strand	+
Start	8894	End	11202
Name	OJ991102_06.0120.C3.o3.gp	Method	AAT/GAP
Start	8746	End	10306
GI	10437_1.R1084	Score	1262
Exons	8746..9125, 9219..9320, 10105..10306		
GI Descrip.	'4103635 1.0e-16 (AF026538) ABA-responsive protein [Hordeum vulgare]'		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3

Gene No.	6271	Strand	+
Start	8894	End	11202
Name	OJ991102_06.0120.C3.o4.gs	Method	GENSCAN
Start	8894	End	10863
GI	none	Score	.98
Exons	8894..9125, 9219..9320, 10105..10376, 10675..10863		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6271	Strand	+
Start	8894	End	11202
Name	OJ991102_06.0120.C3.o4.gp	Method	AAT/GAP
Start	10328	End	11202
GI	none	Score	1102
Exons	10328..10376, 10675..11202		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6272	Strand	+
Start	12485	End	14294
Name	OJ991102_06.0120.C3.o5.gs	Method	GENSCAN
Start	12485	End	14294
GI	none	Score	.71
Exons	12485..12510, 12864..12993, 13205..13261, 14133..14208, 14263..14294		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6273	Strand	-
Start	1086	End	9047
Name	OJ991102_06.0120.C3.o1.gp	Method	AAT/GAP
Start	680	End	954
GI	5038707	Score	529
Exons	680..954		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6273	Strand	-
Start	1086	End	9047
Name	OJ991102_06.0120.C3.o2.gs	Method	GENSCAN
Start	1086	End	3105
GI	none	Score	.87
Exons	1086..1844, 1925..2447, 2576..3105		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6273	Strand	-
Start	1086	End	9047
Name	OJ991102_06.0120.C3.o1.np	Method	AAT/NAP
Start	1089	End	9047
GI	5051781	Score	1524
Exons	1089..1844, 1925..2447, 2576..3043, 8932..9047		
GI Descrip.	(AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6273	Strand	-
Start	1086	End	9047
Name	OJ991102_06.0120.C3.o2.gp	Method	AAT/GAP
Start	1713	End	2451
GI	24208_1.R1084	Score	1283
Exons	1713..1844, 1925..2451		

GI Descrip. '5051781/emb|CAB45074.1| 7.0e-40 (AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]'

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o1.tc	Method	TBLASTX:Cress
Start	1086	End	1712
GI	none	Score	67
Exons	1086..1208, 1086..1712, 1087..1707		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o1.tm	Method	TBLASTX:Maize
Start	1089	End	2649
GI	none	Score	117
Exons	1089..1160, 1191..1580, 1191..1844, 1192..1701, 1985..2086, 2177..2374, 2575..2649		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o2.ts	Method	TBLASTX:Soybean
Start	1194	End	1400
GI	none	Score	144
Exons	1194..1400, 1195..1380, 1230..1400		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o1.ts	Method	TBLASTX:Soybean
Start	1401	End	2137
GI	none	Score	282
Exons	1401..1844, 1402..1701, 1792..1845, 1919..2137, 1934..2137		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o2.tc	Method	TBLASTX:Cress
Start	1764	End	3021
GI	none	Score	66
Exons	1764..1844, 1919..2077, 2171..2371, 2534..2650, 2575..2652, 2662..2712, 2779..2835, 2896..3021		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o2.tm	Method	TBLASTX:Maize
Start	2665	End	3135
GI	none	Score	68
Exons	2665..3069, 2702..2812, 2927..3058, 3007..3135		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o5.ts	Method	TBLASTX:Soybean

Start	2785	End	3045
GI	none	Score	118
Exons	2785..3045, 2930..3043		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o1.tw	Method	TBLASTX:Wheat
Start	8031	End	15648
GI	none	Score	218
Exons	8031..8111, 15477..15647, 15478..15648		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o5.tm	Method	TBLASTX:Maize
Start	8971	End	9332
GI	none	Score	78
Exons	8971..9045, 9074..9127, 9206..9319, 9218..9325, 9219..9332		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o3.ts	Method	TBLASTX:Soybean
Start	10046	End	10330
GI	none	Score	243
Exons	10046..10186, 10104..10325, 10202..10330		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o3.tm	Method	TBLASTX:Maize
Start	10100	End	10379
GI	none	Score	394
Exons	10100..10348, 10101..10379		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o3.tc	Method	TBLASTX:Cress
Start	10244	End	10839
GI	none	Score	185
Exons	10244..10348, 10245..10379, 10672..10839, 10674..10814, 10693..10830		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o4.tm	Method	TBLASTX:Maize
Start	10669	End	11019
GI	none	Score	314
Exons	10669..10836, 10672..10905, 10673..10906, 10860..10907, 10959..11015, 10960..11019		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764

Name	OJ991102_06.0120.C3.o4.ts	Method	TBLASTX:Soybean
Start	10678	End	10839
GI	none	Score	228
Exons	10678..10839, 10680..10814		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o6.ts	Method	TBLASTX:Soybean
Start	12940	End	14294
GI	none	Score	70
Exons	12940..12999, 14132..14293, 14133..14294		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o6.gs	Method	GENSCAN
Start	14555	End	15644
GI	none	Score	.53
Exons	14555..14800, 15423..15644		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o4.tc	Method	TBLASTX:Cress
Start	15477	End	15701
GI	none	Score	140
Exons	15477..15701, 15478..15669		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o6.tm	Method	TBLASTX:Maize
Start	15477	End	15678
GI	none	Score	166
Exons	15477..15668, 15478..15678		

Seq. No.	2963	Seq. ID	OJ991102_06.0120.C3
Gene No.	6274	Strand	-
Start	14555	End	15764
Name	OJ991102_06.0120.C3.o7.ts	Method	TBLASTX:Soybean
Start	15477	End	15764
GI	none	Score	188
Exons	15477..15764		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6275	Strand	+
Start	52	End	573
Name	OJ991102_06.0120.C4.o1.gs	Method	GENSCAN
Start	52	End	573
GI	none	Score	.97
Exons	52..573		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6276	Strand	+
Start	5417	End	11950
Name	OJ991102_06.0120.C4.o3.gs	Method	GENSCAN

Start	5417	End	11950
GI	none	Score	.4
Exons	5417..5764, 6363..6485, 6672..6955, 6980..7088, 7152..7295, 7375..7599, 11492..11764, 11828..11950		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6276	Strand	+
Start	5417	End	11950
Name	OJ991102_06.0120.C4.o2.np	Method	AAT/NAP
Start	7315	End	9721
GI	6910584	Score	135
Exons	7315..7616, 9700..9721		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6277	Strand	-
Start	1	End	423
Name	OJ991102_06.0120.C4.o1.np	Method	AAT/NAP
Start	1	End	423
GI	1707019	Score	234
Exons	1..423		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6278	Strand	-
Start	3049	End	4334
Name	OJ991102_06.0120.C4.o2.gs	Method	GENSCAN
Start	3049	End	4334
GI	none	Score	.68
Exons	3049..3203, 3890..3980, 4113..4334		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6279	Strand	
Start	7318	End	7605
Name	OJ991102_06.0120.C4.o1.tm	Method	TBLASTX:Maize
Start	7318	End	7605
GI	none	Score	53
Exons	7318..7365, 7408..7605, 7452..7604		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6279	Strand	
Start	7318	End	7605
Name	OJ991102_06.0120.C4.o1.tc	Method	TBLASTX:Cress
Start	7411	End	7593
GI	none	Score	231
Exons	7411..7593, 7452..7592		

Seq. No.	2964	Seq. ID	OJ991102_06.0120.C4
Gene No.	6279	Strand	
Start	7318	End	7605
Name	OJ991102_06.0120.C4.o1.ts	Method	TBLASTX:Soybean
Start	7420	End	7605
GI	none	Score	248
Exons	7420..7605, 7452..7604		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6280	Strand	+

Start	794	End	4492
Name	OJ991102_06.0120.C5.o1.np	Method	AAT/NAP
Start	794	End	3840
GI	6910584	Score	706
Exons	794..822, 2165..2705, 2789..2876, 2954..3010, 3130..3368, 3470..3603, 3778..3840		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6280	Strand	+
Start	794	End	4492
Name	OJ991102_06.0120.C5.o1.gs	Method	GENSCAN
Start	2171	End	4492
GI	none	Score	.75
Exons	2171..2671, 2758..2876, 2954..3010, 3130..3368, 3470..3588, 3697..3835, 3882..4010, 4359..4492		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6281	Strand	+
Start	18385	End	19642
Name	OJ991102_06.0120.C5.o2.gp	Method	AAT/GAP
Start	18327	End	18726
GI	none	Score	755
Exons	18327..18726		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6281	Strand	+
Start	18385	End	19642
Name	OJ991102_06.0120.C5.o3.gs	Method	GENSCAN
Start	18385	End	19642
GI	none	Score	1
Exons	18385..18810, 18906..19364, 19538..19642		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6281	Strand	+
Start	18385	End	19642
Name	OJ991102_06.0120.C5.o4.np	Method	AAT/NAP
Start	18385	End	19621
GI	6587839	Score	380
Exons	18385..18549, 18657..18797, 18906..19072, 19151..19364, 19538..19621		
GI Descrip.	(AC006551) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6282	Strand	-
Start	5402	End	7841
Name	OJ991102_06.0120.C5.o2.np	Method	AAT/NAP
Start	5402	End	6746
GI	3033395	Score	236
Exons	5402..5849, 6650..6746		
GI Descrip.	(AC004238) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6282	Strand	-
Start	5402	End	7841
Name	OJ991102_06.0120.C5.o3.np	Method	AAT/NAP

Start	6636	End	7841
GI	1196998	Score	2114
Exons	6636..7841		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o1.ts	Method	TBLASTX:Soybean
Start	2141	End	2659
GI	none	Score	590
Exons	2141..2659, 2155..2658		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o1.tc	Method	TBLASTX:Cress
Start	2152	End	3789
GI	none	Score	389
Exons	2152..2649, 2156..2677, 2791..2874, 3140..3370, 3190..3369, 3460..3588, 3469..3543, 3673..3789		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o2.tm	Method	TBLASTX:Maize
Start	2155	End	2449
GI	none	Score	314
Exons	2155..2418, 2156..2368, 2363..2449, 2371..2448		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o1.tm	Method	TBLASTX:Maize
Start	2955	End	3722
GI	none	Score	77
Exons	2955..3005, 3140..3370, 3184..3369, 3459..3515, 3460..3588, 3469..3588, 3696..3722, 3697..3720		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o2.ts	Method	TBLASTX:Soybean
Start	3140	End	3801
GI	none	Score	195
Exons	3140..3370, 3460..3585, 3691..3801		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o2.tc	Method	TBLASTX:Cress

Start	5398	End	5627
GI	none	Score	100
Exons	5398..5553, 5403..5552, 5556..5627		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o3.tm	Method	TBLASTX:Maize
Start	5403	End	5585
GI	none	Score	85
Exons	5403..5585, 5451..5552		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o3.tc	Method	TBLASTX:Cress
Start	7801	End	7949
GI	none	Score	216
Exons	7801..7947, 7801..7947, 7802..7948, 7803..7949		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o3.ts	Method	TBLASTX:Soybean
Start	18693	End	18946
GI	none	Score	168
Exons	18693..18809, 18694..18810, 18903..18944, 18905..18946		

Seq. No.	2965	Seq. ID	OJ991102_06.0120.C5
Gene No.	6283	Strand	-
Start	21815	End	23372
Name	OJ991102_06.0120.C5.o4.gs	Method	GENSCAN
Start	21815	End	23372
GI	none	Score	.51
Exons	21815..21923, 21969..22031, 23275..23372		

Seq. No.	2966	Seq. ID	OJ991102_06.0120.C6
Gene No.	6284	Strand	+
Start	203	End	2449
Name	OJ991102_06.0120.C6.o1.gs	Method	GENSCAN
Start	203	End	2449
GI	none	Score	.57
Exons	203..409, 711..822, 1232..1402, 2406..2449		

Seq. No.	2966	Seq. ID	OJ991102_06.0120.C6
Gene No.	6285	Strand	+
Start	3472	End	4487
Name	OJ991102_06.0120.C6.o2.gs	Method	GENSCAN
Start	3472	End	4487
GI	none	Score	.75
Exons	3472..3605, 3626..3737, 4183..4290, 4317..4487		

Seq. No.	2966	Seq. ID	OJ991102_06.0120.C6
Gene No.	6286	Strand	+
Start	6398	End	6743
Name	OJ991102_06.0120.C6.o3.gs	Method	GENSCAN
Start	6398	End	6743

GI	none	Score	.52
Exons	6398..6515, 6529..6743		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6287	Strand	+
Start	3111	End	3658
Name	OJ991102_06.0120.C7.o2.gs	Method	GENSCAN
Start	3111	End	3658
GI	none	Score	.74
Exons	3111..3214, 3535..3658		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6288	Strand	+
Start	4257	End	7158
Name	OJ991102_06.0120.C7.o2.np	Method	AAT/NAP
Start	4257	End	7158
GI	6016874	Score	2236
Exons	4257..4335, 4419..4556, 4621..4853, 5244..5403, 5797..5976, 6094..6433, 6911..7158		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6288	Strand	+
Start	4257	End	7158
Name	OJ991102_06.0120.C7.o1.gp	Method	AAT/GAP
Start	4946	End	5454
GI	uC-osflcyp110c07b1	Score	970
Exons	4946..5454		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6289	Strand	+
Start	10779	End	17323
Name	OJ991102_06.0120.C7.o4.gs	Method	GENSCAN
Start	10779	End	17323
GI	none	Score	.41
Exons	10779..10821, 11023..11962, 14839..14911, 15018..15117, 15385..15533, 16040..16120, 16446..17019, 17310..17323		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6289	Strand	+
Start	10779	End	17323
Name	OJ991102_06.0120.C7.o3.np	Method	AAT/NAP
Start	11021	End	11990
GI	5006853	Score	385
Exons	11021..11145, 11173..11514, 11605..11990		
GI Descrip.	(AF145728) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6289	Strand	+
Start	10779	End	17323
Name	OJ991102_06.0120.C7.o2.gp	Method	AAT/GAP
Start	11168	End	11636

GI	5038642	Score	727
Exons	11168..11459, 11538..11636		
GI Descrip.	5006853/gb|AAD37697.1|AF145728_1 2.0e-26 (AF145728) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6290	Strand	+
Start	18590	End	19120
Name	OJ991102_06.0120.C7.o3.gp	Method	AAT/GAP
Start	18388	End	18752
GI	2427827	Score	612
Exons	18388..18752		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6290	Strand	+
Start	18590	End	19120
Name	OJ991102_06.0120.C7.o5.gs	Method	GENSCAN
Start	18590	End	19120
GI	none	Score	.74
Exons	18590..19120		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6291	Strand	-
Start	2604	End	4348
Name	OJ991102_06.0120.C7.o1.np	Method	AAT/NAP
Start	2604	End	4348
GI	4539658	Score	217
Exons	2604..2775, 2816..2939, 4306..4348		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6292	Strand	
Start	4605	End	5051
Name	OJ991102_06.0120.C7.o2.tm	Method	TBLASTX:Maize
Start	4605	End	5051
GI	none	Score	69
Exons	4605..4691, 4676..4885, 4677..4925, 4962..5018, 5013..5051		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6293	Strand	
Start	5145	End	5459
Name	OJ991102_06.0120.C7.o4.tm	Method	TBLASTX:Maize
Start	5145	End	5459
GI	none	Score	65
Exons	5145..5219, 5232..5459, 5240..5458		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6294	Strand	
Start	5664	End	6016
Name	OJ991102_06.0120.C7.o5.tm	Method	TBLASTX:Maize
Start	5664	End	6016
GI	none	Score	240
Exons	5664..5945, 5675..6016		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6295	Strand	

Start	6128	End	6371
Name	OJ991102_06.0120.C7.o3.tm	Method	TBLASTX:Maize
Start	6128	End	6371
GI	none	Score	282
Exons	6128..6286, 6138..6371		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6296	Strand	
Start	11172	End	11369
Name	OJ991102_06.0120.C7.o1.tc	Method	TBLASTX:Cress
Start	11172	End	11369
GI	none	Score	264
Exons	11172..11369, 11297..11362		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6296	Strand	
Start	11172	End	11369
Name	OJ991102_06.0120.C7.o1.tm	Method	TBLASTX:Maize
Start	11178	End	11369
GI	none	Score	312
Exons	11178..11369, 11220..11354, 11303..11356		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6296	Strand	
Start	11172	End	11369
Name	OJ991102_06.0120.C7.o1.tw	Method	TBLASTX:Wheat
Start	11178	End	11369
GI	none	Score	290
Exons	11178..11369, 11220..11354, 11297..11362		

Seq. No.	2967	Seq. ID	OJ991102_06.0120.C7
Gene No.	6296	Strand	
Start	11172	End	11369
Name	OJ991102_06.0120.C7.o1.ts	Method	TBLASTX:Soybean
Start	11190	End	11369
GI	none	Score	255
Exons	11190..11369, 11220..11354, 11297..11362		

Seq. No.	2968	Seq. ID	OJ991102_06.0120.C8
Gene No.	6297	Strand	-
Start	98	End	2199
Name	OJ991102_06.0120.C8.o1.gs	Method	GENSCAN
Start	98	End	2199
GI	none	Score	.65
Exons	98..209, 332..585, 784..923, 1023..1050, 1351..1374, 1768..2199		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o1.gp	Method	AAT/GAP
Start	1	End	329
GI	44406_1.R1084	Score	634
Exons	1..329		
GI Descrip.	'3819495/emb|AJ234712.1|HVU234712 1.0e-35 Hordeum vulgare genomic DNA fragment; clone MWG2025.rev'		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9

Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o1.gs	Method	GENSCAN
Start	13	End	4860
GI	none	Score	.46
Exons	13..276, 893..1029, 1102..1263, 1357..1517, 1755..1859, 1954..2326, 3172..3332, 4818..4860		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o2.gp	Method	AAT/GAP
Start	589	End	2037
GI	48613_1.R1084	Score	1759
Exons	589..1005, 1102..1263, 1357..1517, 1627..1702, 1777..1859, 1954..2037		
GI Descrip.	'913445/bbs|160507 2.0e-65 (S75487) alcohol dehydrogenase ADH=alcohol dehydrogenase homolog {EC 1.1.1.1} [Lycopersicon esculentum=tomatoes, cv. red cherry, Peptide, 389 aa] [Lycopersicon esculentum]'		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o1.tm	Method	TBLASTX:Maize
Start	883	End	2278
GI	none	Score	77
Exons	883..1029, 1102..1260, 1112..1258, 1366..1467, 1388..1480, 1468..1518, 1616..1702, 1626..1703, 1774..1863, 1775..1864, 1967..2089, 1968..2105, 2102..2278		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o1.np	Method	AAT/NAP
Start	889	End	2329
GI	913445	Score	840
Exons	889..1005, 1102..1263, 1357..1512, 1622..1702, 1777..1859, 1954..2329		
GI Descrip.	(S75487) alcohol dehydrogenase ADH=alcohol dehydrogenase homolog {EC 1.1.1.1} [Lycopersicon esculentum=tomatoes, cv. red cherry, Peptide, 389 aa] [Lycopersicon esculentum]		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o1.tc	Method	TBLASTX:Cress
Start	889	End	2299
GI	none	Score	80
Exons	889..1029, 1100..1264, 1102..1266, 1373..1471, 1375..1470, 1477..1521, 1478..1516, 1616..1702, 1653..1703, 1787..1861, 1798..1860, 1967..2299		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o1.ts	Method	TBLASTX:Soybean

Start	904	End	2299
GI	none	Score	87
Exons	904..1029, 1102..1257, 1352..1387, 1373..1477, 1375..1470, 1477..1515, 1616..1702, 1774..1860, 1775..1861, 1967..2092, 2126..2299		

Seq. No.	2969	Seq. ID	OJ991102_06.0120.C9
Gene No.	6298	Strand	-
Start	1	End	4860
Name	OJ991102_06.0120.C9.o3.gp	Method	AAT/GAP
Start	2179	End	2282
GI	56057_1.R1084	Score	173
Exons	2179..2282		
GI Descrip.	'1076580/pir||S52036 1.0e-29 alcohol dehydrogenase homolog ADH3b - tomato >gi_913446_bbs_160508 (S75487) alcohol dehydrogenase ADH {EC 1.1.1.1} [Lycopersicon esculentum=tomatoes, cv. red cherry, Peptide, 390 aa] [Lycopersicon esculentum]'		

Seq. No.	2970	Seq. ID	OJ991102_06.0120.C12
Gene No.	6299	Strand	+
Start	1	End	192
Name	OJ991102_06.0120.C12.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	33357_1.R1084	Score	372
Exons	1..192		
GI Descrip.	'4262154/gb|AAD14454| 5.0e-42 (AC005275) putative protein phosphatase regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	2970	Seq. ID	OJ991102_06.0120.C12
Gene No.	6300	Strand	+
Start	2760	End	2821
Name	OJ991102_06.0120.C12.o2.gp	Method	AAT/GAP
Start	2760	End	2821
GI	56057_1.R1084	Score	60
Exons	2760..2821		
GI Descrip.	'1076580/pir||S52036 1.0e-29 alcohol dehydrogenase homolog ADH3b - tomato >gi_913446_bbs_160508 (S75487) alcohol dehydrogenase ADH {EC 1.1.1.1} [Lycopersicon esculentum=tomatoes, cv. red cherry, Peptide, 390 aa] [Lycopersicon esculentum]'		

Seq. No.	2970	Seq. ID	OJ991102_06.0120.C12
Gene No.	6301	Strand	-
Start	2593	End	2961
Name	OJ991102_06.0120.C12.o1.np	Method	AAT/NAP
Start	2006	End	2961
GI	6069646	Score	160
Exons	2006..2179, 2943..2961		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	2970	Seq. ID	OJ991102_06.0120.C12
Gene No.	6301	Strand	-
Start	2593	End	2961
Name	OJ991102_06.0120.C12.o1.gs	Method	GENSCAN

Start	2593	End	2715
GI	none	Score	.96
Exons	2593..2715		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o1.gp	Method	AAT/GAP
Start	658	End	1228
GI	6025073	Score	797
Exons	658..955, 1062..1228		
GI Descrip.	2961356/emb|CAA18114.1| 2.0e-24 (AL022140) alcohol dehydrogenase like protein [Arabidopsis thaliana]		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o1.gs	Method	GENSCAN
Start	780	End	3284
GI	none	Score	.72
Exons	780..877, 1118..1268, 1351..1428, 1524..1588, 1644..1755, 1843..2096, 2456..2781, 2879..2922, 2999..3132, 3248..3284		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o1.np	Method	AAT/NAP
Start	842	End	3284
GI	6587844	Score	846
Exons	842..955, 1062..1223, 1333..1428, 1524..1584, 1676..1755, 1843..1925, 2456..2781, 2879..2918, 2986..3132, 3248..3284		
GI Descrip.	(AC006551) Very similar to alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o2.ts	Method	TBLASTX:Soybean
Start	842	End	1140
GI	none	Score	82
Exons	842..934, 842..958, 1057..1140, 1062..1139		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o2.tm	Method	TBLASTX:Maize
Start	842	End	1756
GI	none	Score	82
Exons	842..934, 842..958, 908..958, 986..1216, 1057..1230, 1057..1230, 1060..1224, 1062..1238, 1062..1238, 1336..1416, 1336..1416, 1337..1456, 1337..1429, 1337..1456, 1519..1602, 1521..1592, 1678..1755, 1679..1756		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o2.tc	Method	TBLASTX:Cress

Start	848	End	1774
GI	none	Score	54
Exons	848..955, 1065..1145, 1084..1146, 1149..1226, 1150..1230, 1351..1425, 1352..1429, 1519..1590, 1521..1589, 1675..1761, 1679..1774		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o1.tm	Method	TBLASTX:Maize
Start	1841	End	3427
GI	none	Score	113
Exons	1841..1927, 1888..1929, 2437..2724, 2454..2495, 2541..2780, 2866..2922, 3005..3127, 3006..3056, 3068..3142, 3248..3283, 3250..3297, 3386..3427		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o1.ts	Method	TBLASTX:Soybean
Start	2541	End	3127
GI	none	Score	63
Exons	2541..2780, 2605..2706, 2866..2910, 3008..3127		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o2.gp	Method	AAT/GAP
Start	2606	End	3334
GI	LIB3432-041-P1-K1-G2	Score	770
Exons	2606..2781, 2879..2922, 2999..3132, 3248..3334		
GI Descrip.	'2961356/emb|CAA18114.1| 2.0e-24 (AL022140) alcohol dehydrogenase like protein [Arabidopsis thaliana]'		

Seq. No.	2971	Seq. ID	OJ991102_06.0120.C14
Gene No.	6302	Strand	-
Start	780	End	3427
Name	OJ991102_06.0120.C14.o1.tc	Method	TBLASTX:Cress
Start	2685	End	3127
GI	none	Score	173
Exons	2685..2780, 2866..2910, 3005..3127		

Seq. No.	2972	Seq. ID	OJ991102_06.0120.C15
Gene No.	6303	Strand	+
Start	1558	End	1657
Name	OJ991102_06.0120.C15.o1.gp	Method	AAT/GAP
Start	1558	End	1657
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	1558..1657		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2973	Seq. ID	OJ991102_06.0120.C16
Gene No.	6304	Strand	-
Start	103	End	1629
Name	OJ991102_06.0120.C16.o1.gs	Method	GENSCAN

Start	103	End	1629
GI	none	Score	.53
Exons	103..244, 559..682, 1521..1629		

Seq. No.	2974	Seq. ID	OJ991102_06.0120.C17
Gene No.	6305	Strand	-
Start	1167	End	2268
Name	OJ991102_06.0120.C17.o1.gs	Method	GENSCAN
Start	1167	End	2268
GI	none	Score	.5
Exons	1167..1223, 2117..2268		

Seq. No.	2975	Seq. ID	OJ991102_06.0120.C19
Gene No.	6306	Strand	+
Start	117	End	512
Name	OJ991102_06.0120.C19.o1.gs	Method	GENSCAN
Start	117	End	512
GI	none	Score	.6
Exons	117..316, 453..512		

Seq. No.	2976	Seq. ID	OJ991102_06.0120.C20
Gene No.	6307	Strand	-
Start	9	End	86
Name	OJ991102_06.0120.C20.o1.gs	Method	GENSCAN
Start	9	End	86
GI	none	Score	1
Exons	9..86		

Seq. No.	2977	Seq. ID	OJ991102_03.0120.C1
Gene No.	6308	Strand	-
Start	1	End	661
Name	OJ991102_03.0120.C1.o1.np	Method	AAT/NAP
Start	1	End	661
GI	5441880	Score	424
Exons	1..122, 238..369, 616..661		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2977	Seq. ID	OJ991102_03.0120.C1
Gene No.	6308	Strand	-
Start	1	End	661
Name	OJ991102_03.0120.C1.o1.gs	Method	GENSCAN
Start	65	End	369
GI	none	Score	.87
Exons	65..122, 127..174, 238..369		

Seq. No.	2978	Seq. ID	OJ991102_03.0120.C2
Gene No.	6309	Strand	-
Start	1	End	693
Name	OJ991102_03.0120.C2.o1.np	Method	AAT/NAP
Start	1	End	693
GI	5441880	Score	792
Exons	1..386, 492..693		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2978	Seq. ID	OJ991102_03.0120.C2
Gene No.	6309	Strand	-
Start	1	End	693
Name	OJ991102_03.0120.C2.o1.gs	Method	GENSCAN
Start	140	End	640
GI	none	Score	.66
Exons	140..386, 492..640		

Seq. No.	2979	Seq. ID	OJ991102_03.0120.C3
Gene No.	6310	Strand	+
Start	292	End	441
Name	OJ991102_03.0120.C3.o1.gs	Method	GENSCAN
Start	292	End	441
GI	none	Score	.55
Exons	292..441		

Seq. No.	2980	Seq. ID	OJ991102_03.0120.C4
Gene No.	6311	Strand	+
Start	5294	End	5408
Name	OJ991102_03.0120.C4.o1.gp	Method	AAT/GAP
Start	5294	End	5408
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	5294..5408		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2980	Seq. ID	OJ991102_03.0120.C4
Gene No.	6312	Strand	-
Start	1133	End	1540
Name	OJ991102_03.0120.C4.o1.gs	Method	GENSCAN
Start	1133	End	1540
GI	none	Score	.66
Exons	1133..1278, 1429..1540		

Seq. No.	2980	Seq. ID	OJ991102_03.0120.C4
Gene No.	6313	Strand	-
Start	4104	End	5045
Name	OJ991102_03.0120.C4.o2.gs	Method	GENSCAN
Start	4104	End	5045
GI	none	Score	.9
Exons	4104..4411, 4994..5045		

Seq. No.	2981	Seq. ID	OJ991102_03.0120.C6
Gene No.	6314	Strand	-
Start	578	End	754
Name	OJ991102_03.0120.C6.o1.gs	Method	GENSCAN
Start	578	End	754
GI	none	Score	.56
Exons	578..754		

Seq. No.	2981	Seq. ID	OJ991102_03.0120.C6
Gene No.	6314	Strand	-
Start	578	End	754
Name	OJ991102_03.0120.C6.o1.np	Method	AAT/NAP
Start	579	End	680

GI	6006359	Score	43
Exons	579..680		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	2982	Seq. ID	OJ991102_03.0120.C7
Gene No.	6315	Strand	+
Start	1353	End	1521
Name	OJ991102_03.0120.C7.o1.gp	Method	AAT/GAP
Start	1353	End	1521
GI	35458_1.R1084	Score	133
Exons	1353..1431, 1475..1521		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	2982	Seq. ID	OJ991102_03.0120.C7
Gene No.	6316	Strand	-
Start	767	End	8675
Name	OJ991102_03.0120.C7.o1.gs	Method	GENSCAN
Start	767	End	8344
GI	none	Score	.73
Exons	767..899, 1832..1923, 2176..2296, 4020..4210, 6146..6352, 7291..7418, 7503..7646, 8317..8344		

Seq. No.	2982	Seq. ID	OJ991102_03.0120.C7
Gene No.	6316	Strand	-
Start	767	End	8675
Name	OJ991102_03.0120.C7.o1.np	Method	AAT/NAP
Start	1742	End	8675
GI	5870865	Score	335
Exons	1742..1928, 2181..2314, 4020..4162, 5907..5988, 6141..6353, 7316..7397, 8633..8675		
GI Descrip.	(AF020760) serine protease [Homo sapiens]		

Seq. No.	2982	Seq. ID	OJ991102_03.0120.C7
Gene No.	6316	Strand	-
Start	767	End	8675
Name	OJ991102_03.0120.C7.o1.ts	Method	TBLASTX:Soybean
Start	4031	End	6190
GI	none	Score	143
Exons	4031..4162, 4032..4163, 5910..6011, 6141..6188, 6143..6190		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6317	Strand	+
Start	4399	End	6111
Name	OJ991102_03.0120.C9.o2.gs	Method	GENSCAN
Start	4399	End	6111
GI	none	Score	.84
Exons	4399..4572, 4577..4631, 5143..5300, 5404..6111		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6318	Strand	+
Start	7042	End	8253
Name	OJ991102_03.0120.C9.o3.gs	Method	GENSCAN
Start	7042	End	8253
GI	none	Score	.97
Exons	7042..8253		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6318	Strand	+
Start	7042	End	8253
Name	OJ991102_03.0120.C9.o2.np	Method	AAT/NAP
Start	7459	End	8209
GI	2213632	Score	711
Exons	7459..8209		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6319	Strand	-
Start	214	End	2306
Name	OJ991102_03.0120.C9.o1.gs	Method	GENSCAN
Start	214	End	2306
GI	none	Score	.6
Exons	214..450, 1568..1693, 2301..2306		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6320	Strand	-
Start	9341	End	9643
Name	OJ991102_03.0120.C9.o3.tm	Method	TBLASTX:Maize
Start	5908	End	6414
GI	none	Score	229
Exons	5908..6105, 5908..6096, 6331..6408, 6333..6413, 6333..6413, 6334..6414		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6320	Strand	-
Start	9341	End	9643
Name	OJ991102_03.0120.C9.o2.tw	Method	TBLASTX:Wheat
Start	7249	End	7623
GI	none	Score	228
Exons	7249..7623, 7296..7622		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6320	Strand	-
Start	9341	End	9643
Name	OJ991102_03.0120.C9.o2.tm	Method	TBLASTX:Maize
Start	7290	End	7683
GI	none	Score	316
Exons	7290..7379, 7291..7683, 7437..7679		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6320	Strand	-
Start	9341	End	9643
Name	OJ991102_03.0120.C9.o1.tm	Method	TBLASTX:Maize
Start	7743	End	8181
GI	none	Score	359
Exons	7743..7904, 7744..8076, 7747..8073, 7935..8075, 8116..8181		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6320	Strand	-
Start	9341	End	9643
Name	OJ991102_03.0120.C9.o1.tw	Method	TBLASTX:Wheat
Start	7755	End	8169
GI	none	Score	207
Exons	7755..7898, 7756..7932, 7932..8168, 7933..8169, 7933..8169		

Seq. No.	2983	Seq. ID	OJ991102_03.0120.C9
Gene No.	6320	Strand	-
Start	9341	End	9643
Name	OJ991102_03.0120.C9.o4.gs	Method	GENSCAN
Start	9341	End	9643
GI	none	Score	.75
Exons	9341..9643		

Seq. No.	2984	Seq. ID	OJ991102_03.0120.C11
Gene No.	6321	Strand	+
Start	966	End	1302
Name	OJ991102_03.0120.C11.o1.gp	Method	AAT/GAP
Start	966	End	1302
GI	6012857	Score	538
Exons	966..1180, 1202..1302		
GI Descrip.	5852077/emb|AL117264.1|OSB6015 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015		

Seq. No.	2984	Seq. ID	OJ991102_03.0120.C11
Gene No.	6322	Strand	+
Start	11049	End	11435
Name	OJ991102_03.0120.C11.o1.np	Method	AAT/NAP
Start	11049	End	11435
GI	3212866	Score	134
Exons	11049..11435		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	2984	Seq. ID	OJ991102_03.0120.C11
Gene No.	6322	Strand	+
Start	11049	End	11435
Name	OJ991102_03.0120.C11.o3.gp	Method	AAT/GAP
Start	11306	End	11435
GI	none	Score	220
Exons	11306..11435		

Seq. No.	2984	Seq. ID	OJ991102_03.0120.C11
Gene No.	6323	Strand	-
Start	10985	End	11417
Name	OJ991102_03.0120.C11.o2.gp	Method	AAT/GAP
Start	10985	End	11302
GI	none	Score	549
Exons	10985..11302		

Seq. No.	2984	Seq. ID	OJ991102_03.0120.C11
Gene No.	6323	Strand	-
Start	10985	End	11417
Name	OJ991102_03.0120.C11.o1.tm	Method	TBLASTX:Maize
Start	11061	End	11417
GI	none	Score	254
Exons	11061..11162, 11085..11276, 11099..11275, 11340..11417, 11351..11416		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6324	Strand	+
Start	1	End	1097
Name	OJ991102_03.0120.C12.o1.np	Method	AAT/NAP

Start	1	End	634
GI	3212866	Score	236
Exons	1..634		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6324	Strand	+
Start	1	End	1097
Name	OJ991102_03.0120.C12.o1.gs	Method	GENSCAN
Start	8	End	637
GI	none	Score	.54
Exons	8..637		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6324	Strand	+
Start	1	End	1097
Name	OJ991102_03.0120.C12.o1.gp	Method	AAT/GAP
Start	353	End	1097
GI	18216_1.R1084	Score	1414
Exons	353..1097		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6325	Strand	+
Start	23597	End	25274
Name	OJ991102_03.0120.C12.o5.gs	Method	GENSCAN
Start	23597	End	25274
GI	none	Score	.84
Exons	23597..23674, 23783..23995, 24033..24138, 24644..24817, 25255..25274		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6326	Strand	+
Start	29410	End	34676
Name	OJ991102_03.0120.C12.o7.gs	Method	GENSCAN
Start	29410	End	34630
GI	none	Score	.55
Exons	29410..29458, 29620..29768, 29979..30060, 30212..30788, 30806..30901, 31041..32025, 32212..32809, 32927..33904, 34212..34630		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6326	Strand	+
Start	29410	End	34676
Name	OJ991102_03.0120.C12.o5.np	Method	AAT/NAP
Start	34424	End	34676
GI	6498441	Score	138
Exons	34424..34676		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12

Gene No.	6327	Strand	-
Start	2465	End	9562
Name	OJ991102_03.0120.C12.o2.gs	Method	GENSCAN
Start	2465	End	9562
GI	none	Score	.7
Exons	2465..2696, 3332..3600, 5034..5154, 8367..9562		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6327	Strand	-
Start	2465	End	9562
Name	OJ991102_03.0120.C12.o2.gp	Method	AAT/GAP
Start	2815	End	2876
GI	4715947	Score	72
Exons	2815..2876		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6327	Strand	-
Start	2465	End	9562
Name	OJ991102_03.0120.C12.o3.gp	Method	AAT/GAP
Start	7004	End	7380
GI	3760418	Score	702
Exons	7004..7380		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6328	Strand	-
Start	10440	End	13095
Name	OJ991102_03.0120.C12.o3.gs	Method	GENSCAN
Start	10440	End	12858
GI	none	Score	.77
Exons	10440..10562, 10709..11002, 11612..11684, 12331..12612, 12695..12858		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6328	Strand	-
Start	10440	End	13095
Name	OJ991102_03.0120.C12.o4.gp	Method	AAT/GAP
Start	11357	End	11605
GI	5002792	Score	473
Exons	11357..11605		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6328	Strand	-
Start	10440	End	13095
Name	OJ991102_03.0120.C12.o2.np	Method	AAT/NAP
Start	12119	End	13095
GI	6907106	Score	344
Exons	12119..12643, 12695..12861, 12924..13095		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6329	Strand	-

Start	18001	End	21900
Name	OJ991102_03.0120.C12.o3.np	Method	AAT/NAP
Start	18001	End	21900
GI	5702196	Score	2942
Exons	18001..21900		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o1.tm	Method	TBLASTX:Maize
Start	4	End	328
GI	none	Score	570
Exons	4..249, 5..328, 173..265		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o1.tc	Method	TBLASTX:Cress
Start	26	End	310
GI	none	Score	225
Exons	26..310		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o1.ts	Method	TBLASTX:Soybean
Start	26	End	406
GI	none	Score	164
Exons	26..175, 197..292, 305..406		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o7.tm	Method	TBLASTX:Maize
Start	353	End	586
GI	none	Score	254
Exons	353..523, 355..522, 472..585, 473..586		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o4.tm	Method	TBLASTX:Maize
Start	8410	End	9004
GI	none	Score	43
Exons	8410..8445, 8411..8893, 8411..8929, 8511..8918, 8951..9004		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o1.tw	Method	TBLASTX:Wheat
Start	8639	End	9022
GI	none	Score	81
Exons	8639..9022, 8721..8927		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-

Start	27178	End	28264
Name	OJ991102_03.0120.C12.o10.tm	Method	TBLASTX:Maize
Start	12224	End	12495
GI	none	Score	45
Exons	12224..12274, 12225..12263, 12272..12325, 12280..12327, 12339..12491, 12340..12495		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o6.tm	Method	TBLASTX:Maize
Start	18412	End	18903
GI	none	Score	130
Exons	18412..18663, 18416..18646, 18703..18903, 18740..18898		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o2.tm	Method	TBLASTX:Maize
Start	19111	End	19812
GI	none	Score	67
Exons	19111..19143, 19129..19203, 19130..19198, 19288..19806, 19291..19812		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o3.tm	Method	TBLASTX:Maize
Start	20533	End	20882
GI	none	Score	279
Exons	20533..20877, 20534..20878, 20535..20882, 20700..20882		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o8.tm	Method	TBLASTX:Maize
Start	21134	End	21433
GI	none	Score	135
Exons	21134..21277, 21135..21200, 21136..21276, 21274..21381, 21332..21406, 21335..21433, 21336..21407		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o5.tm	Method	TBLASTX:Maize
Start	21487	End	21898
GI	none	Score	53
Exons	21487..21573, 21488..21568, 21622..21891, 21636..21692, 21728..21898		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6330	Strand	-
Start	27178	End	28264
Name	OJ991102_03.0120.C12.o6.gs	Method	GENSCAN
Start	27178	End	28264
GI	none	Score	.86
Exons	27178..27242, 27701..27741, 28188..28264		

Seq. No.	2985	Seq. ID	OJ991102_03.0120.C12
Gene No.	6331	Strand	
Start	32110	End	32478
Name	OJ991102_03.0120.C12.o9.tm	Method	TBLASTX:Maize
Start	32110	End	32478
GI	none	Score	157
Exons	32110..32235, 32127..32234, 32260..32478, 32265..32381		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o1.np	Method	AAT/NAP
Start	1	End	1929
GI	4544372	Score	696
Exons	1..417, 443..1929		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o3.ts	Method	TBLASTX:Soybean
Start	1	End	231
GI	none	Score	202
Exons	1..231, 15..74, 114..227		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o2.tw	Method	TBLASTX:Wheat
Start	4	End	366
GI	none	Score	202
Exons	4..366, 15..77, 129..236		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o1.gs	Method	GENSCAN
Start	166	End	1792
GI	none	Score	.47
Exons	166..1792		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o1.tm	Method	TBLASTX:Maize
Start	745	End	1098
GI	none	Score	217
Exons	745..1098		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o1.ts	Method	TBLASTX:Soybean
Start	952	End	1347
GI	none	Score	235

Exons 952..1347, 985..1167, 1053..1247

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o3.tw	Method	TBLASTX:Wheat
Start	1108	End	1467
GI	none	Score	173
Exons	1108..1467		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o1.tw	Method	TBLASTX:Wheat
Start	1498	End	1908
GI	none	Score	235
Exons	1498..1908, 1515..1658		

Seq. No.	2986	Seq. ID	OJ991102_03.0120.C13
Gene No.	6332	Strand	+
Start	1	End	1935
Name	OJ991102_03.0120.C13.o2.ts	Method	TBLASTX:Soybean
Start	1690	End	1935
GI	none	Score	227
Exons	1690..1935, 1690..1755, 1737..1820, 1896..1931		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+
Start	4979	End	17557
Name	OJ991102_03.0120.C14.o1.gs	Method	GENSCAN
Start	4979	End	17557
GI	none	Score	.68
Exons	4979..5197, 5661..5798, 5902..5983, 6260..6404, 6516..6660, 6714..6830, 7167..7233, 7489..7580, 7789..7932, 13000..13326, 16305..16373, 17258..17557		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+
Start	4979	End	17557
Name	OJ991102_03.0120.C14.o2.tm	Method	TBLASTX:Maize
Start	5120	End	6773
GI	none	Score	68
Exons	5120..5206, 5655..5810, 5714..5809, 5896..5967, 5901..5984, 5951..5983, 6103..6186, 6111..6188, 6283..6336, 6288..6335, 6535..6636, 6707..6772, 6708..6773		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+
Start	4979	End	17557
Name	OJ991102_03.0120.C14.o3.ts	Method	TBLASTX:Soybean
Start	5147	End	5989
GI	none	Score	67
Exons	5147..5206, 5655..5798, 5714..5803, 5896..5967, 5896..5988, 5900..5989		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+

Start	4979	End	17557
Name	OJ991102_03.0120.C14.o4.ts	Method	TBLASTX:Soybean
Start	6133	End	7233
GI	none	Score	77
Exons	6133..6189, 6283..6327, 6376..6429, 6538..6588, 6705..6824, 6713..6823, 6963..7064, 6964..7053, 7165..7233, 7195..7233		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+
Start	4979	End	17557
Name	OJ991102_03.0120.C14.o1.ts	Method	TBLASTX:Soybean
Start	7466	End	8174
GI	5509555	Score	145
Exons	7466..7579, 7479..7583, 7494..7580, 7777..7920, 7788..7913, 7788..7934, 7789..7935, 8052..8174, 8053..8172, 8060..8173		
GI Descrip.	-		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+
Start	4979	End	17557
Name	OJ991102_03.0120.C14.o1.tm	Method	TBLASTX:Maize
Start	7789	End	8199
GI	none	Score	164
Exons	7789..7935, 7789..7932, 7830..7934, 8044..8199, 8044..8190, 8052..8195		

Seq. No.	2987	Seq. ID	OJ991102_03.0120.C14
Gene No.	6333	Strand	+
Start	4979	End	17557
Name	OJ991102_03.0120.C14.o2.ts	Method	TBLASTX:Soybean
Start	17233	End	17491
GI	none	Score	107
Exons	17233..17313, 17234..17308, 17347..17460, 17348..17491		

Seq. No.	2988	Seq. ID	OJ991102_03.0120.C15
Gene No.	6334	Strand	+
Start	2779	End	3273
Name	OJ991102_03.0120.C15.o1.ts	Method	TBLASTX:Soybean
Start	2776	End	3200
GI	none	Score	99
Exons	2776..2859, 2778..2861, 2887..2982, 2928..2981, 3052..3072, 3112..3138, 3129..3200, 3139..3198		

Seq. No.	2988	Seq. ID	OJ991102_03.0120.C15
Gene No.	6334	Strand	+
Start	2779	End	3273
Name	OJ991102_03.0120.C15.o1.gs	Method	GENSCAN
Start	2779	End	3273
GI	none	Score	.79
Exons	2779..3273		

Seq. No.	2989	Seq. ID	OJ991102_03.0120.C16
Gene No.	6335	Strand	-
Start	379	End	484
Name	OJ991102_03.0120.C16.o1.gs	Method	GENSCAN
Start	379	End	484
GI	none	Score	.76

Exons	379..484		
Seq. No.	2990	Seq. ID	OJ991102_03.0120.C17
Gene No.	6336	Strand	-
Start	555	End	761
Name	OJ991102_03.0120.C17.o1.gs	Method	GENSCAN
Start	555	End	761
GI	none	Score	.51
Exons	555..761		
Seq. No.	2991	Seq. ID	OJ991102_03.0120.C18
Gene No.	6337	Strand	+
Start	1	End	2414
Name	OJ991102_03.0120.C18.o1.np	Method	AAT/NAP
Start	1	End	2414
GI	6729047	Score	115
Exons	1..64, 222..331, 670..813, 1091..1162, 2331..2414		
GI Descrip.	(AC009177) putative disease resistance protein [Arabidopsis thaliana]		
Seq. No.	2991	Seq. ID	OJ991102_03.0120.C18
Gene No.	6337	Strand	+
Start	1	End	2414
Name	OJ991102_03.0120.C18.o1.gs	Method	GENSCAN
Start	632	End	2115
GI	none	Score	.83
Exons	632..831, 1091..1162, 1421..1489, 1978..2115		
Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6338	Strand	+
Start	1	End	2937
Name	OJ991102_03.0120.C19.o1.np	Method	AAT/NAP
Start	1	End	2937
GI	6729510	Score	499
Exons	1..33, 420..525, 610..829, 894..1165, 1287..1434, 2843..2937		
GI Descrip.	(AL132966) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6338	Strand	+
Start	1	End	2937
Name	OJ991102_03.0120.C19.o1.gs	Method	GENSCAN
Start	129	End	1754
GI	none	Score	.86
Exons	129..176, 231..293, 389..525, 610..829, 915..1150, 1287..1754		
Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6339	Strand	+
Start	3600	End	3912
Name	OJ991102_03.0120.C19.o2.np	Method	AAT/NAP
Start	3600	End	3912
GI	5777617	Score	86
Exons	3600..3912		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6340	Strand	-

Start	1494	End	1967
Name	OJ991102_03.0120.C19.o1.gp	Method	AAT/GAP
Start	1494	End	1967
GI	uC-osrocyp025h09a1	Score	928
Exons	1494..1967		
GI Descrip.	'5852077/emb|AL117264.1|OSB6015 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015'		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o1.tm	Method	TBLASTX:Maize
Start	418	End	1126
GI	none	Score	97
Exons	418..528, 423..527, 595..834, 608..811, 610..834, 907..1092, 914..1126		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o1.tc	Method	TBLASTX:Cress
Start	502	End	1601
GI	none	Score	38
Exons	502..534, 631..837, 907..1095, 911..1150, 956..1147, 1287..1406, 1524..1601		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o1.ts	Method	TBLASTX:Soybean
Start	612	End	1415
GI	none	Score	109
Exons	612..818, 613..837, 618..836, 896..1150, 907..1101, 909..1157, 1287..1415, 1287..1361		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o1.tw	Method	TBLASTX:Wheat
Start	633	End	1044
GI	none	Score	236
Exons	633..845, 634..825, 922..1044, 923..1042		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o2.tm	Method	TBLASTX:Maize
Start	1127	End	1586
GI	none	Score	40
Exons	1127..1150, 1280..1411, 1286..1486, 1287..1505, 1287..1499, 1300..1533, 1466..1585, 1488..1586		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o2.ts	Method	TBLASTX:Soybean
Start	1422	End	1658

GI	none	Score	80
Exons	1422..1499, 1494..1658, 1499..1597		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o2.gs	Method	GENSCAN
Start	4044	End	4593
GI	none	Score	.47
Exons	4044..4431, 4526..4593		

Seq. No.	2992	Seq. ID	OJ991102_03.0120.C19
Gene No.	6341	Strand	-
Start	4044	End	4717
Name	OJ991102_03.0120.C19.o3.np	Method	AAT/NAP
Start	4401	End	4717
GI	4582451	Score	123
Exons	4401..4717		
GI Descrip.	(AC007071) unknown protein [Arabidopsis thaliana]		

Seq. No.	2993	Seq. ID	OJ991102_03.0120.C20
Gene No.	6342	Strand	+
Start	652	End	835
Name	OJ991102_03.0120.C20.o1.gs	Method	GENSCAN
Start	652	End	835
GI	none	Score	.78
Exons	652..835		

Seq. No.	2993	Seq. ID	OJ991102_03.0120.C20
Gene No.	6343	Strand	-
Start	542	End	1704
Name	OJ991102_03.0120.C20.o1.np	Method	AAT/NAP
Start	542	End	1704
GI	5777617	Score	86
Exons	542..643, 1668..1704		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	2994	Seq. ID	OJ991102_03.0120.C21
Gene No.	6344	Strand	+
Start	1	End	365
Name	OJ991102_03.0120.C21.o1.np	Method	AAT/NAP
Start	1	End	365
GI	6562798	Score	196
Exons	1..365		
GI Descrip.	(AL133423) putative oxidoreductase [Streptomyces coelicolor A3(2)]		

Seq. No.	2994	Seq. ID	OJ991102_03.0120.C21
Gene No.	6344	Strand	+
Start	1	End	365
Name	OJ991102_03.0120.C21.o1.gs	Method	GENSCAN
Start	79	End	354
GI	none	Score	.5
Exons	79..354		

Seq. No.	2995	Seq. ID	OJ990822_52.0128.C1
Gene No.	6345	Strand	-

Start	1	End	3547
Name	OJ990822_52.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	3547
GI	2253010	Score	155
Exons	1..75, 447..487, 1257..1345, 3503..3547		
GI Descrip.	(Y14199) MAP3K delta-1 protein kinase [Arabidopsis thaliana]		

Seq. No.	2995	Seq. ID	OJ990822_52.0128.C1
Gene No.	6345	Strand	-
Start	1	End	3547
Name	OJ990822_52.0128.C1.o1.gp	Method	AAT/GAP
Start	40	End	1543
GI	LIB3474-007-P1-K1-E12	Score	684
Exons	40..75, 447..487, 1257..1543		
GI Descrip.	'3201541/emb|CAA06334| 6.0e-21 (AJ005077) TCTR2 protein [Lycopersicon esculentum]'		

Seq. No.	2995	Seq. ID	OJ990822_52.0128.C1
Gene No.	6345	Strand	-
Start	1	End	3547
Name	OJ990822_52.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	1297	End	1745
GI	none	Score	86
Exons	1297..1326, 1439..1516, 1440..1517, 1440..1517, 1444..1518, 1548..1631, 1559..1630, 1567..1644, 1567..1638, 1606..1740, 1681..1740, 1686..1745, 1688..1741		

Seq. No.	2995	Seq. ID	OJ990822_52.0128.C1
Gene No.	6345	Strand	-
Start	1	End	3547
Name	OJ990822_52.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	1934	End	2873
GI	none	Score	223
Exons	1934..2095, 1935..2105, 1935..2096, 1939..2103, 2174..2269, 2181..2294, 2189..2308, 2191..2313, 2191..2298, 2741..2872, 2742..2873		

Seq. No.	2995	Seq. ID	OJ990822_52.0128.C1
Gene No.	6345	Strand	-
Start	1	End	3547
Name	OJ990822_52.0128.C1.o2.np	Method	AAT/NAP
Start	1974	End	3547
GI	6692730	Score	416
Exons	1974..2097, 2188..2292, 2744..3547		
GI Descrip.	(AC012679) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	2996	Seq. ID	OJ990822_52.0128.C2
Gene No.	6346	Strand	+
Start	9672	End	11711
Name	OJ990822_52.0128.C2.o3.gs	Method	GENSCAN
Start	9672	End	11711
GI	none	Score	.64
Exons	9672..9814, 11540..11711		

Seq. No.	2996	Seq. ID	OJ990822_52.0128.C2
Gene No.	6347	Strand	-
Start	1	End	3173

Name	OJ990822_52.0128.C2.o1.np	Method	AAT/NAP
Start	1	End	3173
GI	6721547	Score	83
Exons	1..21, 3085..3173		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	2996	Seq. ID	OJ990822_52.0128.C2
Gene No.	6347	Strand	-
Start	1	End	3173
Name	OJ990822_52.0128.C2.o1.gs	Method	GENSCAN
Start	76	End	1408
GI	none	Score	.71
Exons	76..500, 1352..1408		

Seq. No.	2996	Seq. ID	OJ990822_52.0128.C2
Gene No.	6348	Strand	-
Start	6484	End	6891
Name	OJ990822_52.0128.C2.o2.gs	Method	GENSCAN
Start	6484	End	6891
GI	none	Score	.99
Exons	6484..6891		

Seq. No.	2997	Seq. ID	OJ990822_52.0128.C3
Gene No.	6349	Strand	-
Start	245	End	975
Name	OJ990822_52.0128.C3.o1.gs	Method	GENSCAN
Start	245	End	975
GI	none	Score	.64
Exons	245..323, 914..975		

Seq. No.	2997	Seq. ID	OJ990822_52.0128.C3
Gene No.	6350	Strand	-
Start	2761	End	3126
Name	OJ990822_52.0128.C3.o2.gs	Method	GENSCAN
Start	2761	End	3126
GI	none	Score	.64
Exons	2761..2888, 2973..3126		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.gs	Method	GENSCAN
Start	1890	End	6121
GI	none	Score	.96
Exons	1890..2090, 2213..2308, 2386..2498, 2642..2708, 2807..2899, 3010..3153, 3291..3379, 3474..3579, 3674..3761, 3912..4030, 4113..4277, 4426..4538, 4633..4736, 4822..4931, 5020..5232, 5355..5557, 6013..6121		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.np	Method	AAT/NAP
Start	1917	End	7753
GI	1168654	Score	2357
Exons	1917..2090, 2213..2308, 2386..2498, 2642..2708, 2807..2899, 3010..3153, 3291..3379, 3474..3579, 3674..3761, 3912..4030,		

4113..4277, 4369..4538, 4633..4736, 4822..4931, 5020..5232,
5355..5557, 6013..6147, 7728..7753

GI Descrip. BETA-GALACTOSIDASE PRECURSOR (LACTASE) gi|542198|pir||S41889 beta-galactosidase (EC 3.2.1.23) - garden asparagus gi|452712|emb|CAA54525| (X77319) beta-galactosidase [Asparagus officinalis]

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	2003	End	4286
GI	none	Score	128

Exons 2003..2089, 2007..2093, 2102..2308, 2206..2304, 2380..2496, 2382..2498, 2383..2499, 2642..2707, 2643..2708, 2806..2889, 2807..2902, 2855..2905, 3006..3149, 3007..3159, 3008..3148, 3009..3152, 3289..3381, 3291..3380, 3291..3389, 3292..3384, 3453..3578, 3467..3565, 3475..3579, 3673..3762, 3674..3766, 3903..4031, 3907..4032, 3910..4038, 3911..4039, 4110..4280, 4111..4278, 4112..4285, 4113..4286

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o2.tc	Method	TBLASTX:Cress
Start	2007	End	4536
GI	none	Score	125

Exons 2007..2093, 2174..2308, 2206..2307, 2383..2499, 2385..2498, 2642..2707, 2643..2708, 2807..2902, 2812..2898, 3005..3136, 3007..3159, 3012..3149, 3291..3380, 3291..3380, 3293..3382, 3298..3381, 3453..3578, 3475..3579, 3672..3758, 3673..3762, 3673..3762, 3674..3778, 3910..4023, 3911..4039, 4086..4280, 4211..4279, 4417..4536, 4419..4535

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	2007	End	2848
GI	none	Score	118

Exons 2007..2093, 2174..2308, 2206..2304, 2382..2498, 2383..2499, 2642..2707, 2643..2708, 2806..2838, 2807..2848

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	2849	End	6136
GI	none	Score	67

Exons 2849..2902, 3007..3159, 3012..3149, 3290..3379, 3291..3380, 3291..3380, 3296..3382, 3453..3578, 3475..3579, 3673..3762, 3673..3762, 3674..3766, 3910..4026, 3911..4039, 4097..4273, 4113..4277, 4118..4165, 4152..4283, 4417..4551, 4431..4550, 4441..4563, 4634..4741, 4651..4713, 4821..4931, 4841..4945, 5019..5192, 5020..5193, 5212..5238, 5212..5229, 5360..5458, 5361..5459, 5505..5558, 6014..6136

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.gp	Method	AAT/GAP
Start	3474	End	4144
GI	LIB3434-016-P1-K1-B7	Score	612
Exons	3474..3579, 3674..3761, 3912..4030, 4113..4144		
GI Descrip.	'3860420/emb|CAA09467| 1.0e-08 (AJ011047) exo galactanase [Lupinus angustifolius]'		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	3556	End	4280
GI	none	Score	44
Exons	3556..3579, 3673..3777, 3674..3766, 3910..4020, 3911..4039, 4143..4280, 4145..4279, 4161..4280		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	4394	End	6121
GI	none	Score	205
Exons	4394..4534, 4395..4535, 4396..4536, 4411..4557, 4631..4738, 4651..4737, 4815..4931, 4820..4930, 4831..4932, 5020..5232, 5025..5228, 5027..5284, 5038..5232, 5345..5449, 5352..5462, 5352..5456, 5360..5464, 5504..5557, 5505..5558, 5513..5560, 6014..6121, 6014..6103		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	4676	End	6136
GI	none	Score	50
Exons	4676..4741, 4820..4945, 4821..4931, 5019..5147, 5019..5192, 5020..5193, 5188..5232, 5212..5238, 5360..5458, 5361..5459, 5505..5558, 5513..5563, 6014..6136		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o2.np	Method	AAT/NAP
Start	5903	End	17830
GI	6693024	Score	307
Exons	5903..5969, 9854..10135, 13322..13585, 16826..16921, 17522..17830		
GI Descrip.	(AC012375) T22C5.21 [Arabidopsis thaliana]		

Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o2.gp	Method	AAT/GAP
Start	5988	End	6243
GI	474017	Score	438

Exons	5988..6243		
GI Descrip.	3860420/emb|CAA09467| 1.0e-08 (AJ011047) exo galactanase [Lupinus angustifolius]		
Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	10358	End	17830
GI	none	Score	63
Exons	10358..10438, 10484..10606, 10598..10870, 13502..13594, 13793..13876, 17417..17500, 17699..17830		
Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o3.gs	Method	GENSCAN
Start	12737	End	14104
GI	none	Score	.91
Exons	12737..14104		
Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o3.tc	Method	TBLASTX:Cress
Start	14390	End	14663
GI	none	Score	45
Exons	14390..14437, 14393..14446, 14514..14663, 14520..14660		
Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	14391	End	14547
GI	none	Score	61
Exons	14391..14429, 14393..14428, 14423..14545, 14430..14546, 14431..14547, 14449..14547		
Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	14393	End	14660
GI	none	Score	127
Exons	14393..14518, 14393..14506, 14394..14507, 14395..14508, 14478..14660, 14478..14657		
Seq. No.	2998	Seq. ID	OJ990822_52.0128.C5
Gene No.	6351	Strand	+
Start	1890	End	18052
Name	OJ990822_52.0128.C5.o4.gs	Method	GENSCAN
Start	15444	End	18052
GI	none	Score	.55
Exons	15444..15475, 15522..15607, 16608..18052		
Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6352	Strand	+

Start	4229	End	4683
Name	OJ990822_52.0128.C6.o1.gp	Method	AAT/GAP
Start	4229	End	4683
GI	uC-osflcyp023b02b2	Score	894
Exons	4229..4683		
GI Descrip.	'3820648/emb|CAA73184| 4.0e-26 (Y12636) allene oxide synthase [Arabidopsis thaliana] >gi_6002957_gb_AAF00225.1_AF172727_1 (AF172727) allene oxide synthase [Arabidopsis thaliana]'		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6353	Strand	-
Start	4343	End	7010
Name	OJ990822_52.0128.C6.o2.gs	Method	GENSCAN
Start	4343	End	5875
GI	none	Score	1
Exons	4343..5875		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6353	Strand	-
Start	4343	End	7010
Name	OJ990822_52.0128.C6.o1.np	Method	AAT/NAP
Start	4373	End	7010
GI	1352186	Score	1095
Exons	4373..5859, 6929..7010		
GI Descrip.	ALLENE OXIDE SYNTHASE PRECURSOR (HYDROPEROXIDE DEHYDRASE) (CYTOCHROME P450 74A) gi|404866 (U00428) allene oxide synthase [Linum usitatissimum]		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6353	Strand	-
Start	4343	End	7010
Name	OJ990822_52.0128.C6.o2.gp	Method	AAT/GAP
Start	5400	End	5862
GI	uC-osroM202023b02b1	Score	926
Exons	5400..5862		
GI Descrip.	'1352186/sp|P48417|CP74_LINUS 3.0e-35 ALLENE OXIDE SYNTHASE PRECURSOR (HYDROPEROXIDE DEHYDRASE) (CYTOCHROME P450 74A) >gi_404866 (U00428) allene oxide synthase [Linum usitatissimum]'		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6354	Strand	-
Start	7142	End	10295
Name	OJ990822_52.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	4385	End	5788
GI	none	Score	98
Exons	4385..4600, 4455..4583, 4595..4645, 4596..4646, 4637..4783, 4646..4873, 4647..4874, 4779..5030, 4829..5029, 5042..5167, 5180..5671, 5181..5360, 5451..5672, 5660..5788		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6354	Strand	-
Start	7142	End	10295
Name	OJ990822_52.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	4388	End	5797
GI	none	Score	136
Exons	4388..4600, 4452..4601, 4598..4831, 4599..4826, 4829..5044, 5099..5167, 5180..5215, 5402..5725, 5463..5666, 5675..5797,		

5688..5723

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6354	Strand	-
Start	7142	End	10295
Name	OJ990822_52.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	4388	End	5803
GI	none	Score	121
Exons	4388..4600, 4455..4601, 4575..4874, 4598..4876, 4830..5030, 4832..5044, 5039..5167, 5186..5644, 5463..5564, 5615..5725, 5616..5666, 5675..5803		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6354	Strand	-
Start	7142	End	10295
Name	OJ990822_52.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	4781	End	5167
GI	none	Score	59
Exons	4781..4876, 4788..4877, 4829..5029, 4830..5030, 5042..5167		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6354	Strand	-
Start	7142	End	10295
Name	OJ990822_52.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	5640	End	5869
GI	none	Score	129
Exons	5640..5759, 5642..5869, 5744..5821		

Seq. No.	2999	Seq. ID	OJ990822_52.0128.C6
Gene No.	6354	Strand	-
Start	7142	End	10295
Name	OJ990822_52.0128.C6.o3.gs	Method	GENSCAN
Start	7142	End	10295
GI	none	Score	.63
Exons	7142..7160, 9339..9456, 9604..9763, 9907..10040, 10127..10295		

Seq. No.	3000	Seq. ID	OJ990822_52.0128.C9
Gene No.	6355	Strand	+
Start	429	End	526
Name	OJ990822_52.0128.C9.o1.gs	Method	GENSCAN
Start	429	End	526
GI	none	Score	.74
Exons	429..526		

Seq. No.	3001	Seq. ID	OJ990822_52.0128.C11
Gene No.	6356	Strand	-
Start	1	End	641
Name	OJ990822_52.0128.C11.o1.np	Method	AAT/NAP
Start	1	End	641
GI	2498930	Score	729
Exons	1..414, 582..641		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3001	Seq. ID	OJ990822_52.0128.C11
Gene No.	6356	Strand	-
Start	1	End	641

Name	OJ990822_52.0128.C11.o1.gs	Method	GENSCAN
Start	21	End	641
GI	none	Score	.9
Exons	21..202, 217..414, 582..641		

Seq. No.	3002	Seq. ID	OJ990822_52.0128.C12
Gene No.	6357	Strand	+
Start	1	End	1502
Name	OJ990822_52.0128.C12.o1.np	Method	AAT/NAP
Start	1	End	1282
GI	3201541	Score	418
Exons	1..209, 738..787, 880..1056, 1160..1282		
GI Descrip.	(AJ005077) TCTR2 protein [Lycopersicon esculentum]		

Seq. No.	3002	Seq. ID	OJ990822_52.0128.C12
Gene No.	6357	Strand	+
Start	1	End	1502
Name	OJ990822_52.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	135	End	1226
GI	none	Score	102
Exons	135..209, 140..208, 727..810, 737..817, 738..788, 742..813, 878..1057, 879..1049, 880..1056, 884..1075, 1161..1226		

Seq. No.	3002	Seq. ID	OJ990822_52.0128.C12
Gene No.	6357	Strand	+
Start	1	End	1502
Name	OJ990822_52.0128.C12.o1.ts	Method	TBLASTX:Soybean
Start	135	End	1238
GI	none	Score	104
Exons	135..209, 140..208, 737..799, 738..788, 878..1057, 880..1050, 938..1066, 1160..1231, 1161..1238		

Seq. No.	3002	Seq. ID	OJ990822_52.0128.C12
Gene No.	6357	Strand	+
Start	1	End	1502
Name	OJ990822_52.0128.C12.o1.tc	Method	TBLASTX:Cress
Start	884	End	1232
GI	none	Score	244
Exons	884..1054, 885..1028, 893..1030, 895..1050, 1158..1232		

Seq. No.	3002	Seq. ID	OJ990822_52.0128.C12
Gene No.	6357	Strand	+
Start	1	End	1502
Name	OJ990822_52.0128.C12.o1.gp	Method	AAT/GAP
Start	1129	End	1502
GI	none	Score	611
Exons	1129..1502		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.gp	Method	AAT/GAP
Start	237	End	4252
GI	207_1.R1084	Score	3032
Exons	237..954, 1743..2244, 2321..2422, 2571..2623, 2713..2773, 2844..2993, 4015..4068, 4187..4252		
GI Descrip.	'3868758/dbj|BAA34206| 1.0e-160 (D89802) elongation factor 1B		

gamma [Oryza sativa]'

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.tw	Method	TBLASTX:Wheat
Start	457	End	6568
GI	none	Score	124
Exons	457..549, 574..690, 575..961, 576..956, 578..964, 799..963, 1741..1842, 1741..1818, 1751..1858, 1928..1963, 1962..2195, 1972..2220, 1973..2239, 2319..2414, 2324..2422, 2325..2414, 2330..2443, 2548..2625, 2571..2624, 2714..2776, 2718..2774, 2793..2990, 2793..2987, 2842..2994, 2842..3000, 2882..3001, 6179..6370, 6180..6566, 6181..6561, 6183..6566, 6404..6568		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	564	End	6570
GI	none	Score	507
Exons	564..902, 572..961, 573..962, 799..963, 1741..1818, 1742..1810, 1746..1841, 1748..1858, 1962..2237, 1975..2220, 1976..2242, 2202..2240, 2321..2422, 2334..2438, 2339..2452, 2564..2617, 2571..2624, 2575..2625, 2685..2771, 2714..2788, 2714..2776, 2841..2999, 2841..2987, 2845..3018, 6169..6507, 6177..6566, 6177..6566, 6178..6570		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.tc	Method	TBLASTX:Cress
Start	565	End	6570
GI	none	Score	433
Exons	565..687, 570..899, 575..961, 576..962, 6175..6492, 6180..6560, 6180..6566, 6181..6570		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.ts	Method	TBLASTX:Soybean
Start	567	End	6570
GI	none	Score	426
Exons	567..902, 575..961, 576..962, 1741..1842, 1741..1818, 1745..1858, 1972..2220, 1973..2242, 1994..2248, 1996..2244, 2327..2422, 2334..2423, 2341..2439, 2571..2624, 2572..2625, 2714..2776, 2718..2774, 2841..3002, 2841..2987, 6172..6507, 6180..6560, 6180..6566, 6181..6570		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.gs	Method	GENSCAN
Start	575	End	6559
GI	none	Score	.72
Exons	575..954, 1743..2244, 2321..2422, 2571..2650, 2713..2773, 2844..2993, 3832..3901, 3941..3971, 4015..4068, 4299..4468,		

6184..6559

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o1.np	Method	AAT/NAP
Start	578	End	3002
GI	3868758	Score	2046
Exons	578..954, 1743..2244, 2321..2422, 2571..2623, 2713..2773, 2844..3002		
GI Descrip.	(D89802) elongation factor 1B gamma [Oryza sativa]		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o2.tc	Method	TBLASTX:Cress
Start	1741	End	3024
GI	none	Score	90
Exons	1741..1842, 1741..1818, 1745..1858, 1975..2220, 1982..2242, 2324..2422, 2334..2423, 2571..2624, 2572..2625, 2714..2776, 2718..2774, 2841..3005, 2841..2987, 2842..3024, 2842..3024		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o2.gp	Method	AAT/GAP
Start	5869	End	6559
GI	207_1.R1084	Score	1170
Exons	5869..6559		
GI Descrip.	'3868758/dbj|BAA34206| 1.0e-160 (D89802) elongation factor 1B gamma [Oryza sativa]'		

Seq. No.	3003	Seq. ID	OJ990822_52.0128.C13
Gene No.	6358	Strand	-
Start	237	End	6838
Name	OJ990822_52.0128.C13.o2.np	Method	AAT/NAP
Start	6183	End	6838
GI	3868758	Score	657
Exons	6183..6565, 6806..6838		
GI Descrip.	(D89802) elongation factor 1B gamma [Oryza sativa]		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6359	Strand	-
Start	1	End	1231
Name	OJ990822_52.0128.C14.o1.gp	Method	AAT/GAP
Start	1	End	1222
GI	207_1.R1084	Score	1483
Exons	1..543, 622..723, 800..852, 942..1002, 1073..1222		
GI Descrip.	'3868758/dbj|BAA34206| 1.0e-160 (D89802) elongation factor 1B gamma [Oryza sativa]'		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6359	Strand	-
Start	1	End	1231
Name	OJ990822_52.0128.C14.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	3868758	Score	1225

Exons	1..543, 622..723, 800..852, 942..1002, 1073..1231		
GI Descrip.	(D89802) elongation factor 1B gamma [Oryza sativa]		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6359	Strand	-
Start	1	End	1231
Name	OJ990822_52.0128.C14.o1.gs	Method	GENSCAN
Start	54	End	1222
GI	none	Score	.98
Exons	54..543, 622..723, 800..879, 942..1002, 1073..1222		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6360	Strand	-
Start	1647	End	2029
Name	OJ990822_52.0128.C14.o1.tc	Method	TBLASTX:Cress
Start	52	End	1256
GI	none	Score	91
Exons	52..153, 52..129, 56..151, 278..412, 282..518, 282..422, 283..519, 290..541, 304..543, 625..723, 644..727, 800..853, 801..854, 943..1005, 947..1000, 1022..1222, 1023..1223, 1071..1256		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6360	Strand	-
Start	1647	End	2029
Name	OJ990822_52.0128.C14.o1.tw	Method	TBLASTX:Wheat
Start	52	End	1223
GI	none	Score	91
Exons	52..153, 52..129, 62..133, 227..256, 261..494, 283..519, 290..538, 625..723, 644..727, 781..846, 800..853, 801..854, 942..1001, 943..1017, 943..1005, 1022..1222, 1050..1223		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6360	Strand	-
Start	1647	End	2029
Name	OJ990822_52.0128.C14.o1.tm	Method	TBLASTX:Maize
Start	52	End	1223
GI	none	Score	91
Exons	52..129, 53..121, 57..146, 261..536, 283..519, 290..541, 501..539, 617..721, 622..726, 622..723, 780..851, 781..846, 800..853, 804..854, 926..1003, 942..1010, 943..1017, 943..1005, 1022..1222, 1074..1223		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6360	Strand	-
Start	1647	End	2029
Name	OJ990822_52.0128.C14.o1.ts	Method	TBLASTX:Soybean
Start	52	End	1235
GI	none	Score	85
Exons	52..153, 52..129, 56..139, 283..519, 290..541, 316..543, 323..547, 628..723, 644..727, 800..853, 801..854, 943..1005, 947..1000, 963..1235, 1022..1225, 1069..1233		

Seq. No.	3004	Seq. ID	OJ990822_52.0128.C14
Gene No.	6360	Strand	-
Start	1647	End	2029
Name	OJ990822_52.0128.C14.o2.gp	Method	AAT/GAP

Start	1647	End	2029
GI	2312618	Score	754
Exons	1647..2029		

Seq. No.	3005	Seq. ID	OJ990822_52.0128.C15
Gene No.	6361	Strand	-
Start	240	End	581
Name	OJ990822_52.0128.C15.o1.gs	Method	GENSCAN
Start	240	End	581
GI	none	Score	.76
Exons	240..397, 454..581		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6362	Strand	+
Start	1885	End	4259
Name	OJ990822_52.0128.C16.o1.gs	Method	GENSCAN
Start	1885	End	4259
GI	none	Score	.69
Exons	1885..1977, 2940..3100, 3206..3281, 3679..3779, 4241..4259		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6363	Strand	+
Start	7476	End	8863
Name	OJ990822_52.0128.C16.o2.gs	Method	GENSCAN
Start	7476	End	8863
GI	none	Score	.93
Exons	7476..7670, 7818..8198, 8393..8863		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6363	Strand	+
Start	7476	End	8863
Name	OJ990822_52.0128.C16.o1.np	Method	AAT/NAP
Start	7926	End	8860
GI	4538944	Score	164
Exons	7926..8198, 8393..8674, 8741..8860		
GI Descrip.	(AL049483) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6364	Strand	+
Start	10783	End	11694
Name	OJ990822_52.0128.C16.o3.gs	Method	GENSCAN
Start	10783	End	11694
GI	none	Score	.44
Exons	10783..10857, 11602..11694		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6365	Strand	+
Start	13830	End	14084
Name	OJ990822_52.0128.C16.o4.gs	Method	GENSCAN
Start	13830	End	14084
GI	none	Score	.57
Exons	13830..14084		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6366	Strand	-
Start	19169	End	21027
Name	OJ990822_52.0128.C16.o6.gs	Method	GENSCAN

Start	19169	End	20997
GI	none	Score	.56
Exons	19169..19756, 19877..20283, 20418..20997		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6366	Strand	-
Start	19169	End	21027
Name	OJ990822_52.0128.C16.o2.np	Method	AAT/NAP
Start	19202	End	21027
GI	3882018	Score	1237
Exons	19202..19756, 19877..20283, 20418..21027		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6367	Strand	-
Start	23591	End	24121
Name	OJ990822_52.0128.C16.o7.gs	Method	GENSCAN
Start	23591	End	24121
GI	none	Score	.43
Exons	23591..23802, 24067..24121		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o3.tm	Method	TBLASTX:Maize
Start	18464	End	18658
GI	none	Score	179
Exons	18464..18610, 18467..18622, 18487..18615, 18513..18623, 18634..18657, 18635..18658		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o1.ts	Method	TBLASTX:Soybean
Start	19205	End	26625
GI	none	Score	100
Exons	19205..19402, 19218..19364, 19418..19525, 19541..19759, 19593..19700, 20027..20080, 20087..20284, 20088..20288, 25528..25725, 25541..25714, 25738..25884, 25894..26082, 25916..26023, 26355..26408, 26415..26612, 26416..26625		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o2.tc	Method	TBLASTX:Cress
Start	19205	End	25816
GI	none	Score	158
Exons	19205..19399, 19209..19364, 19418..19489, 25519..25722, 25532..25723, 25741..25812, 25742..25816		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o1.tm	Method	TBLASTX:Maize
Start	19274	End	26095
GI	none	Score	85
Exons	19274..19408, 19275..19364, 19418..19525, 19514..19759,		

19560..19841, 25597..25731, 25598..25711, 25741..25848,
25837..26082, 25883..26095

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o3.tc	Method	TBLASTX:Cress
Start	19532	End	26085
GI	none	Score	63
Exons	19532..19762, 19544..19636, 19551..19718, 25819..25848, 25855..26085, 25870..25959, 25874..26047		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o1.tc	Method	TBLASTX:Cress
Start	19997	End	26882
GI	none	Score	141
Exons	19997..20065, 20087..20284, 20088..20285, 20399..20590, 20422..20592, 26316..26393, 26415..26612, 26416..26613, 26706..26882, 26707..26880		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o2.tm	Method	TBLASTX:Maize
Start	20087	End	26735
GI	none	Score	177
Exons	20087..20284, 20088..20285, 20088..20285, 20099..20287, 26325..26393, 26415..26612, 26416..26613, 26706..26735		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o2.ts	Method	TBLASTX:Soybean
Start	20405	End	26903
GI	none	Score	175
Exons	20405..20629, 20422..20571, 20569..20613, 26704..26901, 26706..26861, 26859..26903		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o8.gs	Method	GENSCAN
Start	25492	End	26600
GI	none	Score	.97
Exons	25492..26079, 26205..26600		

Seq. No.	3006	Seq. ID	OJ990822_52.0128.C16
Gene No.	6368	Strand	-
Start	25492	End	26911
Name	OJ990822_52.0128.C16.o3.np	Method	AAT/NAP
Start	25525	End	26911
GI	3882018	Score	1042
Exons	25525..26079, 26205..26611, 26708..26911		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6369	Strand	+
Start	143	End	334
Name	OJ990822_52.0128.C17.o1.gs	Method	GENSCAN
Start	143	End	334
GI	none	Score	.94
Exons	143..334		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6370	Strand	+
Start	2182	End	7560
Name	OJ990822_52.0128.C17.o2.gs	Method	GENSCAN
Start	2182	End	7246
GI	none	Score	.65
Exons	2182..2261, 3476..3569, 4822..5153, 5655..5766, 6959..7246		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6370	Strand	+
Start	2182	End	7560
Name	OJ990822_52.0128.C17.o1.gp	Method	AAT/GAP
Start	4836	End	5078
GI	569412	Score	444
Exons	4836..5078		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6370	Strand	+
Start	2182	End	7560
Name	OJ990822_52.0128.C17.o2.gp	Method	AAT/GAP
Start	5067	End	7560
GI	3591_1.R1084	Score	1471
Exons	5067..5153, 5655..5766, 6959..7560		
GI Descrip.	'5734748/gb|AAD50013.1|AC007651_8 4.0e-17 (AC007651) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6371	Strand	+
Start	11059	End	12462
Name	OJ990822_52.0128.C17.o4.gs	Method	GENSCAN
Start	11059	End	12462
GI	none	Score	.6
Exons	11059..11179, 11200..11228, 11995..12133, 12200..12462		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6372	Strand	+
Start	15105	End	17656
Name	OJ990822_52.0128.C17.o6.gs	Method	GENSCAN
Start	15105	End	17641
GI	none	Score	.73
Exons	15105..15277, 15640..15784, 16002..16231, 16399..16456, 17553..17641		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6372	Strand	+
Start	15105	End	17656
Name	OJ990822_52.0128.C17.o3.np	Method	AAT/NAP
Start	15156	End	17656
GI	3063464	Score	898

Exons	15156..15314, 15616..15784, 16002..16231, 16399..16456, 17378..17455, 17553..17656		
GI Descrip.	(AC003981) F22O13.26 [Arabidopsis thaliana]		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o1.tw	Method	TBLASTX:Wheat
Start	5016	End	7054
GI	none	Score	184
Exons	5016..5156, 5017..5154, 5091..5162, 5608..5751, 5640..5765, 5652..5768, 6947..7054		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o3.tm	Method	TBLASTX:Maize
Start	5054	End	10197
GI	none	Score	67
Exons	5054..5149, 8217..8405, 8221..8406, 8388..8414, 10156..10197		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o2.ts	Method	TBLASTX:Soybean
Start	8080	End	10657
GI	none	Score	91
Exons	8080..8127, 8109..8159, 8217..8303, 8350..8412, 8358..8414, 10156..10203, 10213..10269, 10264..10347, 10285..10377, 10310..10399, 10441..10473, 10531..10656, 10532..10657		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o1.np	Method	AAT/NAP
Start	8097	End	10662
GI	4191796	Score	730
Exons	8097..8408, 10156..10662		
GI Descrip.	(AC005917) putative senescence-associated protein 5 [Arabidopsis thaliana]		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o3.gs	Method	GENSCAN
Start	8103	End	10662
GI	none	Score	.93
Exons	8103..8408, 10156..10662		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o1.tm	Method	TBLASTX:Maize
Start	10201	End	13511
GI	none	Score	174
Exons	10201..10359, 10201..10656, 10208..10663, 13329..13511		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o1.tc	Method	TBLASTX:Cress
Start	10282	End	10663
GI	none	Score	70
Exons	10282..10377, 10441..10656, 10532..10663		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o2.np	Method	AAT/NAP
Start	10283	End	16899
GI	81286	Score	286
Exons	10283..10504, 12272..12419, 12805..13324, 16863..16899		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o3.gp	Method	AAT/GAP
Start	10416	End	10717
GI	2442973	Score	525
Exons	10416..10717		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o5.gs	Method	GENSCAN
Start	13062	End	13739
GI	none	Score	.98
Exons	13062..13739		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o2.tm	Method	TBLASTX:Maize
Start	15237	End	17641
GI	none	Score	85
Exons	15237..15278, 15500..15541, 15501..15542, 15638..15787, 15638..15730, 15655..15786, 15999..16232, 16000..16230, 16001..16234, 16396..16458, 16397..16459, 17347..17457, 17361..17429, 17369..17458, 17553..17639, 17557..17640, 17558..17641		

Seq. No.	3007	Seq. ID	OJ990822_52.0128.C17
Gene No.	6373	Strand	-
Start	8103	End	17656
Name	OJ990822_52.0128.C17.o1.ts	Method	TBLASTX:Soybean
Start	15999	End	17656
GI	none	Score	384
Exons	15999..16232, 16001..16144, 16018..16233, 16393..16452, 16397..16459, 17348..17458, 17377..17457, 17550..17636, 17553..17639, 17555..17656, 17555..17656		

Seq. No.	3008	Seq. ID	OJ990822_52.0128.C18

Gene No.	6374	Strand	+
Start	144	End	830
Name	OJ990822_52.0128.C18.o1.np	Method	AAT/NAP
Start	144	End	830
GI	2126090	Score	1141
Exons	144..830		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	3008	Seq. ID	OJ990822_52.0128.C18
Gene No.	6375	Strand	-
Start	215	End	712
Name	OJ990822_52.0128.C18.o1.tc	Method	TBLASTX:Cress
Start	27	End	184
GI	none	Score	221
Exons	27..182, 34..183, 41..184		

Seq. No.	3008	Seq. ID	OJ990822_52.0128.C18
Gene No.	6375	Strand	-
Start	215	End	712
Name	OJ990822_52.0128.C18.o1.gs	Method	GENSCAN
Start	215	End	712
GI	none	Score	.56
Exons	215..280, 347..434, 575..712		

Seq. No.	3009	Seq. ID	OJ990822_48.0106.C1
Gene No.	6376	Strand	-
Start	6	End	985
Name	OJ990822_48.0106.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	389
GI	none	Score	186
Exons	1..366, 3..389		

Seq. No.	3009	Seq. ID	OJ990822_48.0106.C1
Gene No.	6376	Strand	-
Start	6	End	985
Name	OJ990822_48.0106.C1.o1.np	Method	AAT/NAP
Start	6	End	985
GI	2462134	Score	438
Exons	6..985		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	3009	Seq. ID	OJ990822_48.0106.C1
Gene No.	6376	Strand	-
Start	6	End	985
Name	OJ990822_48.0106.C1.o1.tw	Method	TBLASTX:Wheat
Start	24	End	335
GI	none	Score	185
Exons	24..89, 27..335, 64..303, 117..335		

Seq. No.	3009	Seq. ID	OJ990822_48.0106.C1
Gene No.	6376	Strand	-
Start	6	End	985

Name	OJ990822_48.0106.C1.o1.gs	Method	GENSCAN
Start	121	End	739
GI	none	Score	.44
Exons	121..739		

Seq. No.	3009	Seq. ID	OJ990822_48.0106.C1
Gene No.	6376	Strand	-
Start	6	End	985
Name	OJ990822_48.0106.C1.o2.tm	Method	TBLASTX:Maize
Start	474	End	648
GI	none	Score	102
Exons	474..647, 481..648		

Seq. No.	3009	Seq. ID	OJ990822_48.0106.C1
Gene No.	6376	Strand	-
Start	6	End	985
Name	OJ990822_48.0106.C1.o2.tw	Method	TBLASTX:Wheat
Start	666	End	932
GI	none	Score	96
Exons	666..932, 667..924		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6377	Strand	+
Start	931	End	6008
Name	OJ990822_48.0106.C2.o1.gs	Method	GENSCAN
Start	931	End	5759
GI	none	Score	.55
Exons	931..1125, 1433..1711, 1746..2038, 2243..2448, 3689..3717, 4049..4192, 5318..5524, 5556..5759		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6377	Strand	+
Start	931	End	6008
Name	OJ990822_48.0106.C2.o1.gp	Method	AAT/GAP
Start	1414	End	6008
GI	1014_1.R1084	Score	2508
Exons	1414..2063, 4049..4192, 5360..5524, 5646..6008		
GI Descrip.	'1197587 1.0e-164 (U46758) potassium channel beta subunit protein [Oryza sativa]'		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6377	Strand	+
Start	931	End	6008
Name	OJ990822_48.0106.C2.o1.np	Method	AAT/NAP
Start	1500	End	5756
GI	2832783	Score	1434
Exons	1500..2063, 4049..4192, 5360..5524, 5646..5756		
GI Descrip.	(AJ225806) potassium channel beta subunit [Egeria densa]		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6378	Strand	-
Start	6322	End	10761
Name	OJ990822_48.0106.C2.o2.gs	Method	GENSCAN
Start	6322	End	10761
GI	none	Score	.69
Exons	6322..6596, 7064..7176, 7586..7688, 7938..8239, 8773..9172, 10716..10761		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6378	Strand	-
Start	6322	End	10761
Name	OJ990822_48.0106.C2.o2.np	Method	AAT/NAP
Start	6367	End	9041
GI	1363484	Score	306
Exons	6367..6413, 7394..7455, 7586..7694, 7938..8228, 8733..8859, 8941..9041		
GI Descrip.	IAA13 protein - Arabidopsis thaliana gi|972929 (U18415) IAA13 [Arabidopsis thaliana] gi|2459414|gb|AAB80649.1| (AC002332) auxin regulated protein (IAA13) [Arabidopsis thaliana]		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6378	Strand	-
Start	6322	End	10761
Name	OJ990822_48.0106.C2.o2.gp	Method	AAT/GAP
Start	6734	End	9179
GI	2544_1.R1084	Score	2090
Exons	6734..6754, 6891..7176, 7394..7455, 7586..7688, 7938..8236, 8773..9179		
GI Descrip.	'1363484/pir||S58499 6.0e-35 IAA13 protein - Arabidopsis thaliana >gi_972929 (U18415) IAA13 [Arabidopsis thaliana] >gi_2459414 (AC002332) auxin inducible protein, IAA13 [Arabidopsis thaliana]'		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o1.tc	Method	TBLASTX:Cress
Start	1499	End	5762
GI	none	Score	897
Exons	1499..2065, 1500..2066, 4046..4192, 4048..4191, 5354..5530, 5359..5517, 5630..5758, 5631..5762		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o1.tw	Method	TBLASTX:Wheat
Start	1499	End	1814
GI	none	Score	71
Exons	1499..1576, 1499..1810, 1500..1814		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o1.tm	Method	TBLASTX:Maize
Start	1499	End	5770
GI	none	Score	80
Exons	1499..1576, 1499..1966, 1500..1973, 1928..2065, 1971..2066, 4046..4192, 4048..4191, 5354..5527, 5359..5523, 5631..5741, 5634..5741, 5644..5745, 5645..5770		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o1.ts	Method	TBLASTX:Soybean

Start	1499	End	4192
GI	none	Score	907
Exons	1499..2065, 1500..2066, 4046..4192, 4046..4189, 4048..4191		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o2.tw	Method	TBLASTX:Wheat
Start	1817	End	4108
GI	none	Score	422
Exons	1817..2065, 1818..2066, 4046..4108, 4048..4107		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o3.tw	Method	TBLASTX:Wheat
Start	4108	End	5778
GI	none	Score	78
Exons	4108..4167, 4109..4156, 4121..4192, 4149..4190, 5346..5525, 5354..5527, 5358..5522, 5359..5523, 5485..5547, 5631..5765, 5634..5765, 5635..5766, 5644..5778, 5654..5773		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o4.tm	Method	TBLASTX:Maize
Start	7392	End	8238
GI	none	Score	83
Exons	7392..7454, 7393..7455, 7584..7682, 7585..7692, 7923..8069, 7934..8101, 7939..8112, 7941..8132, 8100..8141, 8137..8238, 8140..8235		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o4.tc	Method	TBLASTX:Cress
Start	7398	End	8272
GI	none	Score	45
Exons	7398..7454, 7588..7641, 7951..8088, 8017..8067, 8155..8253, 8189..8272		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o3.gs	Method	GENSCAN
Start	12275	End	22580
GI	none	Score	.72
Exons	12275..12352, 13006..13176, 14880..14941, 15061..15144, 15290..15398, 15487..15610, 16080..16176, 16298..16430, 16577..16654, 16744..16851, 16946..17001, 17103..17201, 17301..17427, 17545..17629, 18219..18295, 18404..18748, 19261..19443, 20027..20150, 20190..20480, 20678..20922, 21333..21412, 21813..21929, 22073..22580		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662

Name	OJ990822_48.0106.C2.o3.gp	Method	AAT/GAP
Start	14507	End	18603
GI	17252_2.R1084	Score	3269
Exons	14507..14941, 15061..15144, 15290..15398, 15487..15610, 16080..16176, 16298..16430, 16577..16654, 16744..16851, 16934..17001, 17103..17201, 17301..17427, 17545..17629, 18219..18295, 18404..18603		
GI Descrip.	'393707/emb|CAA47926| 1.0e-153 (X67696) acetyl-CoA acyltransferase [Cucumis sativus]'		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o2.tm	Method	TBLASTX:Maize
Start	14820	End	18487
GI	none	Score	96
Exons	14820..14942, 14874..14942, 14878..14943, 15059..15148, 15060..15146, 15067..15153, 15288..15398, 15289..15399, 15482..15613, 15487..15615, 15487..15537, 16075..16095, 16076..16177, 16079..16177, 16080..16178, 16150..16179, 16297..16416, 16299..16433, 16303..16440, 16314..16472, 16565..16654, 16572..16652, 16574..16654, 16578..16655, 16743..16850, 16744..16851, 16745..16855, 16928..17002, 16931..17002, 16938..17006, 16938..17006, 17099..17209, 17101..17202, 17104..17226, 17148..17213, 17302..17427, 17303..17428, 17308..17436, 17309..17428, 17545..17631, 17549..17629, 18443..18487		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o3.np	Method	AAT/NAP
Start	14834	End	18484
GI	2924779	Score	1455
Exons	14834..14941, 15061..15144, 15290..15398, 15487..15610, 16080..16176, 16298..16430, 16577..16654, 16744..16851, 16934..17001, 17103..17201, 17301..17427, 17545..17629, 18219..18300, 18400..18484		
GI Descrip.	(AC002334) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana] gi|2981616|dbj|BAA25248| (AB008854) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana] gi|2981618|dbj|BAA25249| (AB008855) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana]		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o4.tw	Method	TBLASTX:Wheat
Start	14860	End	15354
GI	none	Score	118
Exons	14860..14943, 14864..14935, 14871..14942, 15059..15148, 15060..15146, 15288..15353, 15289..15354		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o2.ts	Method	TBLASTX:Soybean
Start	14872	End	17638

GI	none	Score	59
Exons	14872..14943, 14874..14942, 15008..15145, 15059..15148, 15060..15158, 15288..15398, 15289..15399, 15487..15615, 15487..15537, 16076..16174, 16079..16177, 16080..16178, 16300..16431, 16303..16431, 16314..16472, 16574..16651, 16581..16652, 16592..16654, 16593..16652, 16741..16851, 16742..16852, 16746..16859, 16747..16857, 16926..17006, 16926..16997, 16931..17002, 17099..17203, 17101..17202, 17105..17203, 17302..17427, 17303..17464, 17545..17631, 17546..17638		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o2.tc	Method	TBLASTX:Cress
Start	14874	End	17631
GI	none	Score	61
Exons	14874..14942, 14886..14939, 14893..14943, 15059..15148, 15060..15146, 15288..15398, 15289..15399, 15487..15615, 15487..15537, 16079..16177, 16080..16178, 16295..16384, 16300..16428, 16303..16428, 16314..16472, 16574..16651, 16575..16652, 16741..16851, 16742..16852, 16931..17002, 16932..17006, 17099..17203, 17101..17202, 17302..17427, 17303..17455, 17545..17631, 17549..17623		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o5.tw	Method	TBLASTX:Wheat
Start	15496	End	16374
GI	none	Score	114
Exons	15496..15615, 15496..15537, 15497..15553, 16079..16177, 16080..16178, 16295..16369, 16296..16373, 16297..16368, 16303..16374, 16314..16373		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o6.tw	Method	TBLASTX:Wheat
Start	16374	End	16836
GI	none	Score	62
Exons	16374..16472, 16375..16431, 16574..16651, 16578..16652, 16741..16836, 16742..16834		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o4.gp	Method	AAT/GAP
Start	19504	End	19941
GI	60036_1.R1084	Score	835
Exons	19504..19941		
GI Descrip.	'629846/pir||S44296 5.0e-18 initiator-binding protein - maize >gi_483444_emb_CAA55693_ (X79086) initiator-binding protein [Zea mays]'		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-

Start	12275	End	22662
Name	OJ990822_48.0106.C2.o4.np	Method	AAT/NAP
Start	19751	End	22662
GI	1076812	Score	580
Exons	19751..19925, 20027..20090, 20190..20493, 20660..20922, 21333..21412, 21456..21566, 21798..21955, 22094..22662		
GI Descrip.	initiator-binding protein - maize gi|483490|emb|CAA55691| (X79085) initiator binding protein [Zea mays]		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o3.tm	Method	TBLASTX:Maize
Start	19779	End	21414
GI	none	Score	95
Exons	19779..19946, 19785..19928, 20027..20092, 20027..20092, 20186..20287, 20189..20281, 20312..20416, 20749..20928, 21333..21413, 21334..21414		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o3.ts	Method	TBLASTX:Soybean
Start	19785	End	21414
GI	none	Score	85
Exons	19785..19928, 19788..19946, 19870..19929, 20016..20093, 20027..20092, 20175..20285, 20186..20293, 20767..20928, 21333..21413, 21334..21414		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o3.tc	Method	TBLASTX:Cress
Start	19788	End	21420
GI	none	Score	73
Exons	19788..19946, 19803..19928, 19870..19929, 20027..20092, 20186..20293, 20282..20374, 20767..20928, 21333..21413, 21334..21420		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o5.gp	Method	AAT/GAP
Start	22081	End	22619
GI	uC-osflcyp152g10b1	Score	1053
Exons	22081..22619		
GI Descrip.	'4960051/gb|AAD34597.1|AF147739_1 2.0e-63 (AF147739) myosin XI [Zea mays]'		

Seq. No.	3010	Seq. ID	OJ990822_48.0106.C2
Gene No.	6379	Strand	-
Start	12275	End	22662
Name	OJ990822_48.0106.C2.o5.tm	Method	TBLASTX:Maize
Start	22084	End	22610
GI	none	Score	62
Exons	22084..22176, 22085..22159, 22089..22184, 22179..22373, 22183..22365, 22184..22411, 22185..22379, 22193..22384,		

22382..22513, 22389..22520, 22394..22510, 22420..22512,
22573..22608, 22575..22610

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6380	Strand	+
Start	442	End	4808
Name	OJ990822_48.0106.C3.o1.gs	Method	GENSCAN
Start	442	End	4808
GI	none	Score	.82
Exons	442..575, 1793..2020, 2702..3017, 3135..3311, 3420..3489, 3580..3651, 4729..4808		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6380	Strand	+
Start	442	End	4808
Name	OJ990822_48.0106.C3.o2.gp	Method	AAT/GAP
Start	2721	End	4154
GI	1680_1.R1084	Score	1852
Exons	2721..3017, 3135..3311, 3420..3489, 3580..3651, 3784..4154		
GI Descrip.	'1076813/pir||S46309 3.0e-33 initiator-binding protein - maize'		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6381	Strand	-
Start	1	End	1033
Name	OJ990822_48.0106.C3.o1.gp	Method	AAT/GAP
Start	1	End	1033
GI	none	Score	918
Exons	1..97, 512..735, 872..1033		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6382	Strand	-
Start	4629	End	9691
Name	OJ990822_48.0106.C3.o1.np	Method	AAT/NAP
Start	4629	End	9691
GI	5915855	Score	663
Exons	4629..4706, 4784..4849, 5084..5144, 6313..6538, 7181..7263, 7345..7425, 7523..7555, 7703..7804, 7885..7980, 8061..8228, 8331..8522, 8604..8714, 8802..8873, 8973..9152, 9535..9691		
GI Descrip.	CYTOCHROME P450 97B2 gi|2738996|gb|AAB94586| (AF022457) CYP97B2p [Glycine max]		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6382	Strand	-
Start	4629	End	9691
Name	OJ990822_48.0106.C3.o2.gs	Method	GENSCAN
Start	7177	End	9594
GI	none	Score	.82
Exons	7177..7263, 7345..7425, 7523..7555, 7703..7804, 7885..7980, 8067..8228, 8331..8522, 8802..8873, 8973..9186, 9284..9449, 9501..9594		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6382	Strand	-
Start	4629	End	9691
Name	OJ990822_48.0106.C3.o3.gp	Method	AAT/GAP
Start	8075	End	8687
GI	uC-osflcyp121c03b1	Score	816

Exons	8075..8228, 8331..8522, 8604..8687		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o1.tm	Method	TBLASTX:Maize
Start	2751	End	3867
GI	none	Score	72
Exons	2751..2810, 2754..2810, 2836..2868, 2847..2870, 2873..2947, 2874..3017, 2874..2972, 3137..3316, 3138..3311, 3138..3329, 3140..3316, 3419..3487, 3420..3488, 3423..3488, 3460..3495, 3569..3652, 3579..3653, 3579..3653, 3580..3654, 3610..3654, 3775..3855, 3779..3847, 3783..3866, 3784..3867		
Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o3.ts	Method	TBLASTX:Soybean
Start	4579	End	7423
GI	none	Score	62
Exons	4579..4665, 4587..4706, 4653..4706, 4781..4852, 4782..4880, 5033..5143, 5085..5147, 5094..5150, 6374..6508, 6379..6516, 6383..6517, 7180..7266, 7187..7264, 7192..7266, 7345..7422, 7346..7423		
Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o3.tm	Method	TBLASTX:Maize
Start	7186	End	7561
GI	none	Score	70
Exons	7186..7266, 7188..7262, 7193..7264, 7306..7371, 7345..7428, 7346..7426, 7484..7558, 7496..7561		
Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o1.tc	Method	TBLASTX:Cress
Start	7345	End	8135
GI	none	Score	68
Exons	7345..7467, 7346..7423, 7514..7552, 7706..7804, 7710..7805, 7882..7953, 7885..7983, 8067..8135		
Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o2.tm	Method	TBLASTX:Maize
Start	7703	End	9110
GI	none	Score	81
Exons	7703..7804, 7725..7790, 8067..8231, 8080..8229, 8331..8435, 8610..8717, 8620..8715, 8799..8891, 8802..8879, 8973..9110, 8974..9105		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o1.ts	Method	TBLASTX:Soybean
Start	7718	End	8231
GI	none	Score	106
Exons	7718..7804, 7722..7805, 7875..7982, 7876..7983, 7882..7953, 7884..7982, 8067..8231, 8068..8229		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o2.ts	Method	TBLASTX:Soybean
Start	8680	End	9105
GI	none	Score	40
Exons	8680..8715, 8685..8723, 8802..8879, 8803..8901, 8973..9104, 8977..9105		

Seq. No.	3011	Seq. ID	OJ990822_48.0106.C3
Gene No.	6383	Strand	-
Start	10357	End	18353
Name	OJ990822_48.0106.C3.o3.gs	Method	GENSCAN
Start	10357	End	18353
GI	none	Score	.62
Exons	10357..10373, 10875..11135, 11388..11403, 12150..12331, 13492..13546, 13917..14106, 14722..14795, 18170..18353		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6384	Strand	+
Start	2269	End	2557
Name	OJ990822_48.0106.C4.o1.gp	Method	AAT/GAP
Start	2269	End	2557
GI	426253	Score	534
Exons	2269..2557		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6385	Strand	-
Start	446	End	4135
Name	OJ990822_48.0106.C4.o1.np	Method	AAT/NAP
Start	446	End	4135
GI	4521190	Score	3143
Exons	446..2042, 3013..3396, 3731..4135		
GI Descrip.	(AB013448) Pib [Oryza sativa] gi|4521192|dbj|BAA76282.1| (AB013449) Pib [Oryza sativa]		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6385	Strand	-
Start	446	End	4135
Name	OJ990822_48.0106.C4.o2.tw	Method	TBLASTX:Wheat
Start	1477	End	1833
GI	none	Score	39
Exons	1477..1515, 1509..1649, 1509..1637, 1684..1833, 1686..1790		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6385	Strand	-
Start	446	End	4135

Name	OJ990822_48.0106.C4.o1.ts	Method	TBLASTX:Soybean
Start	1485	End	3333
GI	none	Score	70
Exons	1485..1595, 1752..1796, 1827..1964, 3010..3333, 3101..3154, 3212..3331		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6385	Strand	-
Start	446	End	4135
Name	OJ990822_48.0106.C4.o1.tm	Method	TBLASTX:Maize
Start	1488	End	1905
GI	none	Score	108
Exons	1488..1637, 1489..1638, 1641..1796, 1645..1797, 1792..1905		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6385	Strand	-
Start	446	End	4135
Name	OJ990822_48.0106.C4.o2.tm	Method	TBLASTX:Maize
Start	3013	End	3273
GI	none	Score	73
Exons	3013..3273, 3014..3259		

Seq. No.	3012	Seq. ID	OJ990822_48.0106.C4
Gene No.	6385	Strand	-
Start	446	End	4135
Name	OJ990822_48.0106.C4.o1.tw	Method	TBLASTX:Wheat
Start	3059	End	3358
GI	none	Score	134
Exons	3059..3358, 3064..3357		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6386	Strand	+
Start	1004	End	3176
Name	OJ990822_48.0106.C6.o2.gs	Method	GENSCAN
Start	1004	End	3176
GI	none	Score	.77
Exons	1004..1105, 2748..2834, 2913..3176		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6387	Strand	+
Start	4411	End	13949
Name	OJ990822_48.0106.C6.o3.np	Method	AAT/NAP
Start	4411	End	8813
GI	4512699	Score	1138
Exons	4411..4510, 5323..5428, 6052..6116, 6238..6323, 6425..6509, 6583..6659, 7379..7501, 7624..7743, 8105..8221, 8319..8387, 8478..8598, 8677..8813		
GI Descrip.	(AC006569) putative NADH-ubiquinone oxireductase [Arabidopsis thaliana]		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6387	Strand	+
Start	4411	End	13949
Name	OJ990822_48.0106.C6.o2.gp	Method	AAT/GAP
Start	5036	End	9110
GI	26554_1.R1084	Score	2843
Exons	5036..5218, 5323..5428, 6052..6116, 6238..6323, 6425..6509,		

6583..6653, 7370..7501, 7624..7739, 8098..8221, 8319..8387, 8478..8598, 8677..9110

GI Descrip. '4512699/gb|AAD21752.1| 1.0e-102 (AC006569) putative NADH-ubiquinone oxireductase [Arabidopsis thaliana]'

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6387	Strand	+
Start	4411	End	13949
Name	OJ990822_48.0106.C6.o4.gs	Method	GENSCAN
Start	6243	End	13949
GI	none	Score	.68
Exons	6243..6323, 6425..6509, 6583..6653, 7370..7501, 7624..7739, 7992..8060, 8098..8221, 8319..8387, 8478..8598, 8647..8780, 8907..9016, 9387..9538, 12249..12380, 13843..13949		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6388	Strand	+
Start	15880	End	16823
Name	OJ990822_48.0106.C6.o6.gs	Method	GENSCAN
Start	15880	End	16823
GI	none	Score	.51
Exons	15880..15934, 16702..16823		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6389	Strand	-
Start	1	End	5353
Name	OJ990822_48.0106.C6.o1.gp	Method	AAT/GAP
Start	1	End	349
GI	none	Score	405
Exons	1..168, 278..349		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6389	Strand	-
Start	1	End	5353
Name	OJ990822_48.0106.C6.o1.np	Method	AAT/NAP
Start	1	End	2425
GI	6815109	Score	186
Exons	1..17, 253..463, 953..1034, 2167..2425		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6389	Strand	-
Start	1	End	5353
Name	OJ990822_48.0106.C6.o2.np	Method	AAT/NAP
Start	1	End	5226
GI	6815109	Score	200
Exons	1..17, 253..463, 953..1034, 2167..2424, 5040..5226		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6389	Strand	-
Start	1	End	5353
Name	OJ990822_48.0106.C6.o1.gs	Method	GENSCAN
Start	45	End	762
GI	none	Score	.96
Exons	45..168, 278..538, 544..762		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6389	Strand	-
Start	1	End	5353
Name	OJ990822_48.0106.C6.o3.gs	Method	GENSCAN
Start	3717	End	5353
GI	none	Score	.74
Exons	3717..3760, 3825..3960, 4064..4134, 4606..4727, 4750..4901, 5213..5353		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6390	Strand	-
Start	14338	End	14547
Name	OJ990822_48.0106.C6.o5.gs	Method	GENSCAN
Start	14338	End	14547
GI	none	Score	.61
Exons	14338..14547		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	415
GI	none	Score	131
Exons	1..153, 5..154, 263..415		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o3.ts	Method	TBLASTX:Soybean
Start	1	End	427
GI	none	Score	64
Exons	1..147, 1..153, 5..169, 264..422, 275..427		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o1.tm	Method	TBLASTX:Maize
Start	5121	End	8822
GI	none	Score	105
Exons	5121..5219, 5121..5231, 5122..5223, 5307..5399, 5321..5428, 5322..5426, 6034..6114, 6040..6123, 6050..6124, 6050..6124, 6236..6322, 6237..6329, 6240..6323, 6422..6511, 6422..6511, 6578..6652, 6582..6656, 6582..6650, 7363..7509, 7364..7510, 7621..7740, 7623..7736, 8086..8178, 8087..8245, 8087..8239, 8318..8386, 8319..8387, 8319..8396, 8320..8388, 8445..8597, 8468..8593, 8675..8812, 8676..8822, 8676..8819		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o1.tw	Method	TBLASTX:Wheat
Start	5146	End	6084
GI	none	Score	93
Exons	5146..5223, 5151..5231, 5151..5219, 5243..5398, 5320..5427, 5321..5428, 5322..5426, 6034..6084		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6

Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o1.ts	Method	TBLASTX:Soybean
Start	5369	End	8356
GI	none	Score	87
Exons	5369..5428, 5370..5426, 6040..6123, 6050..6124, 6236..6319, 6237..6329, 6421..6513, 6422..6511, 6582..6656, 6582..6650, 7363..7509, 7364..7510, 7621..7740, 7623..7739, 8087..8245, 8099..8239, 8318..8356		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o3.tc	Method	TBLASTX:Cress
Start	5369	End	6490
GI	none	Score	83
Exons	5369..5428, 5370..5426, 6040..6123, 6050..6124, 6231..6326, 6236..6328, 6237..6329, 6421..6465, 6422..6487, 6434..6490		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o2.tc	Method	TBLASTX:Cress
Start	7639	End	8797
GI	none	Score	135
Exons	7639..7740, 7639..7719, 7641..7736, 8087..8245, 8102..8242, 8318..8386, 8319..8387, 8445..8597, 8477..8596, 8670..8795, 8672..8794, 8685..8795, 8714..8797		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o2.ts	Method	TBLASTX:Soybean
Start	8445	End	8795
GI	none	Score	150
Exons	8445..8597, 8477..8593, 8675..8788, 8676..8795		

Seq. No.	3013	Seq. ID	OJ990822_48.0106.C6
Gene No.	6391	Strand	-
Start	17279	End	17878
Name	OJ990822_48.0106.C6.o7.gs	Method	GENSCAN
Start	17279	End	17878
GI	none	Score	.65
Exons	17279..17385, 17785..17878		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o1.gs	Method	GENSCAN
Start	629	End	18991
GI	none	Score	.89
Exons	629..827, 1001..1144, 1270..1415, 1547..1703, 1802..1860, 1942..2101, 2680..2829, 2933..3069, 3150..3296, 3392..3504, 3844..3956, 4601..4702, 5051..5109, 5219..5345, 5426..5596, 5893..6002, 6082..6142, 6720..6897, 7007..7212, 7807..7926, 8202..8372, 8810..9022, 9218..9357, 9433..9547, 9648..9686, 9933..10103, 10879..11064, 11157..11342, 11642..11712,		

11797..11896, 11979..12035, 12741..12797, 12903..12983,
13219..13301, 14376..14517, 14653..14699, 15322..15380,
15603..15778, 16217..16765, 17247..17311, 17380..17920,
18284..18991

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o1.tc	Method	TBLASTX:Cress
Start	719	End	13515
GI	none	Score	123

Exons 719..829, 720..830, 1000..1140, 1001..1144, 1270..1416,
1275..1388, 1541..1696, 1545..1703, 1545..1703, 1796..1855,
1799..1858, 1800..1856, 1801..1860, 1934..2095, 1935..2096,
1936..2106, 1940..2101, 1986..2102, 2677..2829, 2687..2830,
2719..2838, 2930..3064, 2931..3068, 2932..3078, 3144..3302,
3151..3297, 3154..3312, 3390..3491, 3392..3493, 3393..3491,
4422..4505, 4430..4492, 4434..4505, 4590..4685, 4592..4702,
4592..4684, 5069..5107, 5071..5109, 5219..5350, 5220..5351,
5425..5562, 5426..5536, 5683..5805, 5684..5815, 5727..5816,
5885..5980, 5892..5990, 5893..5994, 6082..6141, 6719..6877,
6720..6899, 6798..6905, 6997..7224, 7002..7208, 7003..7173,
7802..7927, 7804..7911, 7804..7941, 7851..7925, 8274..8372,
8274..8369, 8282..8437, 8812..8892, 8819..8905, 8951..9022,
8972..9022, 9191..9361, 9438..9485, 9935..10102, 9936..10103,
10903..11028, 10915..11061, 11196..11342, 11228..11338,
11437..11469, 11466..11489, 11642..11710, 11677..11712,
11786..11887, 11794..11877, 11972..12037, 11976..12038,
12735..12806, 12740..12799, 12903..12992, 12905..12994,
13216..13299, 13231..13296, 13385..13495, 13387..13515

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o2.ts	Method	TBLASTX:Soybean
Start	1055	End	2083
GI	none	Score	93

Exons 1055..1144, 1527..1688, 1799..1858, 1936..2058, 1940..2083

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o1.np	Method	AAT/NAP
Start	1611	End	13653
GI	4960051	Score	5254

Exons 1611..1703, 1802..1860, 1942..2101, 2680..2829, 2933..3069,
3150..3296, 3392..3493, 4439..4496, 4601..4702, 5072..5109,
5219..5345, 5426..5596, 5685..5816, 5893..6002, 6082..6142,
6720..6897, 7007..7212, 7807..7926, 8274..8372, 8810..9022,
9218..9357, 9433..9553, 9648..9686, 9780..9863, 9933..10103,
10909..11064, 11157..11342, 11437..11564, 11642..11712,
11797..11896, 11979..12035, 12741..12797, 12903..12983,
13219..13301, 13411..13435, 13563..13653

GI Descrip. (AF147739) myosin XI [Zea mays]

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+

Start	629	End	19027
Name	OJ990822_48.0106.C7.o7.tm	Method	TBLASTX:Maize
Start	1802	End	2091
GI	none	Score	87
Exons	1802..1861, 1804..1851, 1945..2091, 1955..2089, 1957..2091		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o5.tm	Method	TBLASTX:Maize
Start	2954	End	3302
GI	none	Score	127
Exons	2954..3070, 2956..3078, 3147..3302, 3151..3297		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o3.tm	Method	TBLASTX:Maize
Start	5219	End	5786
GI	none	Score	194
Exons	5219..5347, 5220..5348, 5426..5596, 5434..5601, 5684..5755, 5684..5785, 5727..5786		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o5.ts	Method	TBLASTX:Soybean
Start	5256	End	5571
GI	none	Score	126
Exons	5256..5351, 5261..5350, 5426..5467, 5443..5571, 5468..5542		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o4.ts	Method	TBLASTX:Soybean
Start	5683	End	5997
GI	none	Score	80
Exons	5683..5796, 5685..5810, 5687..5803, 5687..5815, 5727..5816, 5892..5996, 5893..5997, 5899..5997		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o2.tm	Method	TBLASTX:Maize
Start	5895	End	7926
GI	none	Score	161
Exons	5895..6002, 5896..6000, 6080..6145, 6712..6882, 6716..6883, 6720..6905, 7003..7224, 7050..7217, 7063..7224, 7804..7926		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o1.gp	Method	AAT/GAP
Start	9418	End	10101
GI	2310667	Score	723
Exons	9418..9547, 9648..9686, 9780..9863, 9933..10101		
GI Descrip.	4960051/gb|AAD34597.1|AF147739_1 3.0e-56 (AF147739) myosin XI		

[Zea mays]

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o4.tm	Method	TBLASTX:Maize
Start	9654	End	10052
GI	none	Score	46
Exons	9654..9686, 9777..9863, 9779..9865, 9932..10051, 9933..10052, 9933..10052		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o1.ts	Method	TBLASTX:Soybean
Start	10002	End	11303
GI	none	Score	170
Exons	10002..10103, 10006..10125, 10007..10102, 10902..11057, 10903..11058, 10903..11061, 11159..11299, 11166..11303, 11166..11300		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o1.tm	Method	TBLASTX:Maize
Start	10053	End	13855
GI	none	Score	79
Exons	10053..10103, 10055..10102, 10902..11060, 10903..11064, 10906..11064, 10907..11065, 10931..11065, 10932..11087, 11154..11342, 11157..11342, 11158..11343, 11159..11344, 11409..11501, 11414..11500, 11416..11505, 11437..11502, 11510..11566, 11511..11567, 11511..11597, 11512..11604, 11666..11710, 11671..11712, 11671..11712, 11786..11896, 11788..11895, 11978..12037, 11979..12038, 11981..12037, 12735..12806, 12740..12796, 12901..12981, 12902..12985, 12903..12992, 12903..12986, 13216..13296, 13219..13299, 13406..13480, 13409..13525, 13413..13598, 13414..13524, 13539..13598, 13540..13602, 13547..13600, 13622..13753, 13623..13754, 13640..13762, 13644..13754, 13748..13795, 13766..13792, 13767..13832, 13838..13855, 13838..13855		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o2.gp	Method	AAT/GAP
Start	10989	End	11673
GI	428786	Score	766
Exons	10989..11064, 11157..11342, 11437..11564, 11642..11673		
GI Descrip.	4960051/gb|AAD34597.1|AF147739_1 2.0e-63 (AF147739) myosin XI [Zea mays]		

Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o3.ts	Method	TBLASTX:Soybean
Start	11645	End	13516
GI	none	Score	95

Exons	11645..11710, 11653..11712, 11786..11896, 11788..11901, 11976..12038, 11978..12037, 12903..12986, 12905..12988, 13219..13299, 13385..13516, 13387..13515		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o3.gp	Method	AAT/GAP
Start	13255	End	13923
GI	none	Score	696
Exons	13255..13302, 13411..13923		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o4.gp	Method	AAT/GAP
Start	13607	End	13939
GI	3767926	Score	591
Exons	13607..13939		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o5.gp	Method	AAT/GAP
Start	15716	End	16663
GI	none	Score	996
Exons	15716..15778, 16217..16663		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o8.tm	Method	TBLASTX:Maize
Start	17628	End	17892
GI	none	Score	110
Exons	17628..17816, 17629..17808, 17630..17839, 17845..17892		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o6.gp	Method	AAT/GAP
Start	17842	End	18653
GI	none	Score	862
Exons	17842..17920, 18284..18653		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027
Name	OJ990822_48.0106.C7.o2.np	Method	AAT/NAP
Start	18630	End	19027
GI	2660669	Score	131
Exons	18630..18832, 18968..19027		
GI Descrip.	(AC002342) human Mi-2 autoantigen-like protein [Arabidopsis thaliana]		
Seq. No.	3014	Seq. ID	OJ990822_48.0106.C7
Gene No.	6392	Strand	+
Start	629	End	19027

Name	OJ990822_48.0106.C7.o6.tm	Method	TBLASTX:Maize
Start	18632	End	18976
GI	none	Score	263
Exons	18632..18832, 18633..18812, 18634..18831, 18895..18975, 18896..18976		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6393	Strand	+
Start	1	End	4510
Name	OJ990822_48.0106.C8.o1.np	Method	AAT/NAP
Start	1	End	4510
GI	6069646	Score	484
Exons	1..44, 4115..4510		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6393	Strand	+
Start	1	End	4510
Name	OJ990822_48.0106.C8.o1.gp	Method	AAT/GAP
Start	23	End	219
GI	none	Score	328
Exons	23..219		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6394	Strand	+
Start	7145	End	8552
Name	OJ990822_48.0106.C8.o3.gs	Method	GENSCAN
Start	7145	End	8552
GI	none	Score	.81
Exons	7145..7286, 7343..7717, 7855..8552		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6395	Strand	+
Start	9851	End	11696
Name	OJ990822_48.0106.C8.o4.gs	Method	GENSCAN
Start	9851	End	11696
GI	none	Score	.44
Exons	9851..9887, 10696..10761, 10899..11113, 11466..11696		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6396	Strand	+
Start	16026	End	16576
Name	OJ990822_48.0106.C8.o6.gs	Method	GENSCAN
Start	16026	End	16576
GI	none	Score	.9
Exons	16026..16049, 16241..16576		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6397	Strand	-
Start	4201	End	5248
Name	OJ990822_48.0106.C8.o2.gs	Method	GENSCAN
Start	4201	End	5248
GI	none	Score	.41

Exons	4201..4488, 5156..5248		
Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6398	Strand	-
Start	11161	End	16650
Name	OJ990822_48.0106.C8.o2.gp	Method	AAT/GAP
Start	11161	End	11932
GI	none	Score	1025
Exons	11161..11599, 11687..11743, 11828..11932		
Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6398	Strand	-
Start	11161	End	16650
Name	OJ990822_48.0106.C8.o2.np	Method	AAT/NAP
Start	11534	End	16650
GI	4432825	Score	1014
Exons	11534..11596, 11685..11743, 11828..11937, 12454..12514, 12755..12840, 12930..13018, 13402..13483, 13811..13853, 13928..14001, 14209..14278, 14464..14533, 14992..15086, 15190..15266, 15413..15498, 16581..16650		
GI Descrip.	(AC006593) putative ARP2/3 protein complex subunit p41 [Arabidopsis thaliana]		
Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6398	Strand	-
Start	11161	End	16650
Name	OJ990822_48.0106.C8.o5.gs	Method	GENSCAN
Start	12316	End	14748
GI	none	Score	.74
Exons	12316..12514, 12755..12820, 13371..13483, 13811..13868, 13928..14001, 14209..14278, 14717..14748		
Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6398	Strand	-
Start	11161	End	16650
Name	OJ990822_48.0106.C8.o3.gp	Method	AAT/GAP
Start	12998	End	15212
GI	uC-osroM202035d10b1	Score	800
Exons	12998..13018, 13402..13483, 13811..13853, 13928..14001, 14209..14278, 14464..14533, 14992..15086, 15190..15212		
GI Descrip.	'3201618 8.0e-77 (AC004669) Sop2p-like protein [Arabidopsis thaliana]'		
Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o3.tm	Method	TBLASTX:Maize
Start	11520	End	11937
GI	none	Score	80
Exons	11520..11597, 11522..11599, 11536..11604, 11547..11600, 11680..11745, 11684..11746, 11684..11752, 11825..11935, 11827..11937		
Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o2.tm	Method	TBLASTX:Maize

Start	12945	End	16635
GI	none	Score	96
Exons	12945..13019, 12945..13019, 12946..13023, 12946..13026, 13382..13486, 13401..13484, 13402..13485, 13403..13486, 13802..13858, 13812..13859, 13927..13989, 13928..14002, 13928..14023, 13930..14004, 14206..14283, 14206..14277, 14208..14297, 14461..14535, 14463..14534, 14992..15087, 14993..15088, 14994..15092, 15161..15268, 15162..15269, 15175..15267, 15398..15502, 15414..15503, 16594..16635, 16597..16635		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o1.tc	Method	TBLASTX:Cress
Start	14206	End	16635
GI	none	Score	81
Exons	14206..14277, 14207..14278, 14454..14531, 14461..14535, 14463..14534, 14993..15085, 14997..15086, 15184..15267, 15189..15305, 15398..15445, 15455..15505, 16597..16635		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o2.ts	Method	TBLASTX:Soybean
Start	14206	End	16635
GI	none	Score	79
Exons	14206..14277, 14210..14278, 14461..14535, 14463..14534, 14993..15085, 14993..15085, 14994..15086, 15184..15267, 15189..15269, 15398..15502, 15414..15494, 15425..15499, 16597..16635		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o7.gs	Method	GENSCAN
Start	17974	End	18861
GI	none	Score	.59
Exons	17974..18132, 18568..18861		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o4.tm	Method	TBLASTX:Maize
Start	17977	End	18270
GI	none	Score	103
Exons	17977..18078, 18083..18226, 18088..18270, 18098..18235		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o1.tw	Method	TBLASTX:Wheat
Start	18347	End	18714
GI	none	Score	139
Exons	18347..18580, 18349..18474, 18384..18629, 18526..18714		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8

Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o1.tm	Method	TBLASTX:Maize
Start	18442	End	19913
GI	none	Score	68
Exons	18442..18474, 18446..18523, 18541..18675, 18541..18912, 18665..18913		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o2.tw	Method	TBLASTX:Wheat
Start	18811	End	19361
GI	none	Score	138
Exons	18811..18927, 18955..18993, 19000..19197, 19050..19361		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o5.tm	Method	TBLASTX:Maize
Start	18955	End	19191
GI	none	Score	119
Exons	18955..19191, 18956..19168		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o1.ts	Method	TBLASTX:Soybean
Start	18985	End	19367
GI	none	Score	150
Exons	18985..19170, 19191..19367		

Seq. No.	3015	Seq. ID	OJ990822_48.0106.C8
Gene No.	6399	Strand	-
Start	17974	End	19367
Name	OJ990822_48.0106.C8.o6.tm	Method	TBLASTX:Maize
Start	19194	End	19367
GI	none	Score	88
Exons	19194..19364, 19197..19367		

Seq. No.	3016	Seq. ID	OJ990822_48.0106.C9
Gene No.	6400	Strand	-
Start	67	End	111
Name	OJ990822_48.0106.C9.o1.gs	Method	GENSCAN
Start	67	End	111
GI	none	Score	.42
Exons	67..111		

Seq. No.	3017	Seq. ID	OJ990822_48.0106.C10
Gene No.	6401	Strand	+
Start	52	End	96
Name	OJ990822_48.0106.C10.o1.gs	Method	GENSCAN
Start	52	End	96
GI	none	Score	.63
Exons	52..96		

Seq. No.	3018	Seq. ID	OJ990822_44.0105.C1

Gene No.	6402	Strand	-
Start	23	End	216
Name	OJ990822_44.0105.C1.o1.gs	Method	GENSCAN
Start	23	End	216
GI	none	Score	.54
Exons	23..149, 214..216		

Seq. No.	3019	Seq. ID	OJ990822_44.0105.C2
Gene No.	6403	Strand	+
Start	1	End	6015
Name	OJ990822_44.0105.C2.o1.np	Method	AAT/NAP
Start	1	End	6015
GI	5295955	Score	327
Exons	1..398, 3726..3852, 4598..4665, 4884..5238, 5441..6015		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	3019	Seq. ID	OJ990822_44.0105.C2
Gene No.	6404	Strand	-
Start	47	End	6745
Name	OJ990822_44.0105.C2.o1.gs	Method	GENSCAN
Start	47	End	6745
GI	none	Score	.62
Exons	47..241, 681..780, 924..984, 1931..2072, 2151..2230, 2283..2363, 2596..2721, 4641..4766, 4993..5086, 5180..5259, 5680..5884, 6427..6499, 6687..6745		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6405	Strand	+
Start	1	End	2019
Name	OJ990822_44.0105.C3.o1.np	Method	AAT/NAP
Start	1	End	2019
GI	5803260	Score	423
Exons	1..29, 428..517, 872..2019		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-
Start	7919	End	9831
Name	OJ990822_44.0105.C3.o1.tm	Method	TBLASTX:Maize
Start	919	End	1650
GI	none	Score	63
Exons	919..1008, 1018..1116, 1039..1101, 1117..1323, 1185..1283, 1338..1406, 1342..1404, 1413..1499, 1414..1503, 1528..1650, 1530..1649		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-
Start	7919	End	9831
Name	OJ990822_44.0105.C3.o1.ts	Method	TBLASTX:Soybean
Start	934	End	1662
GI	none	Score	42
Exons	934..978, 1018..1116, 1165..1311, 1185..1280, 1411..1497, 1428..1505, 1528..1662, 1530..1643		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-

Start	7919	End	9831
Name	OJ990822_44.0105.C3.o1.tc	Method	TBLASTX:Cress
Start	946	End	1904
GI	none	Score	45
Exons	946..1002, 1003..1176, 1117..1299, 1185..1280, 1341..1403, 1401..1499, 1414..1503, 1507..1704, 1581..1658, 1752..1904		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-
Start	7919	End	9831
Name	OJ990822_44.0105.C3.o1.tw	Method	TBLASTX:Wheat
Start	1264	End	1661
GI	none	Score	50
Exons	1264..1410, 1413..1496, 1414..1503, 1521..1661, 1522..1650		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-
Start	7919	End	9831
Name	OJ990822_44.0105.C3.o2.np	Method	AAT/NAP
Start	7919	End	9831
GI	6822058	Score	302
Exons	7919..7988, 8660..8735, 8860..9071, 9581..9831		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-
Start	7919	End	9831
Name	OJ990822_44.0105.C3.o2.tm	Method	TBLASTX:Maize
Start	8647	End	9762
GI	none	Score	46
Exons	8647..8757, 8669..8755, 8858..9073, 8859..9074, 9580..9609, 9667..9762		

Seq. No.	3020	Seq. ID	OJ990822_44.0105.C3
Gene No.	6406	Strand	-
Start	7919	End	9831
Name	OJ990822_44.0105.C3.o2.ts	Method	TBLASTX:Soybean
Start	8647	End	9762
GI	none	Score	46
Exons	8647..8757, 8669..8755, 8858..9073, 8859..9074, 9580..9609, 9667..9762		

Seq. No.	3021	Seq. ID	OJ990822_44.0105.C4
Gene No.	6407	Strand	+
Start	1573	End	2866
Name	OJ990822_44.0105.C4.o1.gs	Method	GENSCAN
Start	1573	End	2866
GI	none	Score	.69
Exons	1573..1884, 1903..2029, 2521..2610, 2769..2866		

Seq. No.	3021	Seq. ID	OJ990822_44.0105.C4
Gene No.	6408	Strand	-
Start	4869	End	8518
Name	OJ990822_44.0105.C4.o1.gp	Method	AAT/GAP
Start	4411	End	4556
GI	21474_1.R1084	Score	241
Exons	4411..4556		

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	3021	Seq. ID	OJ990822_44.0105.C4
Gene No.	6408	Strand	-
Start	4869	End	8518
Name	OJ990822_44.0105.C4.o2.gs	Method	GENSCAN
Start	4869	End	8342
GI	none	Score	.91
Exons	4869..5054, 5134..5232, 5327..5399, 5484..5594, 5691..5864, 5974..6659, 6661..6803, 6929..7017, 7310..8342		

Seq. No.	3021	Seq. ID	OJ990822_44.0105.C4
Gene No.	6408	Strand	-
Start	4869	End	8518
Name	OJ990822_44.0105.C4.o1.np	Method	AAT/NAP
Start	4887	End	8518
GI	4680204	Score	1046
Exons	4887..5024, 5375..5594, 5691..5864, 5974..7070, 7145..8518		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	3021	Seq. ID	OJ990822_44.0105.C4
Gene No.	6408	Strand	-
Start	4869	End	8518
Name	OJ990822_44.0105.C4.o2.tw	Method	TBLASTX:Wheat
Start	5525	End	6047
GI	none	Score	68
Exons	5525..5596, 5696..5878, 5703..5828, 5967..6047		

Seq. No.	3021	Seq. ID	OJ990822_44.0105.C4
Gene No.	6408	Strand	-
Start	4869	End	8518
Name	OJ990822_44.0105.C4.o1.tw	Method	TBLASTX:Wheat
Start	7534	End	7937
GI	none	Score	84
Exons	7534..7704, 7667..7834, 7699..7935, 7786..7935, 7797..7937, 7827..7937		

Seq. No.	3022	Seq. ID	OJ990822_44.0105.C5
Gene No.	6409	Strand	+
Start	1	End	442
Name	OJ990822_44.0105.C5.o1.np	Method	AAT/NAP
Start	1	End	442
GI	862343	Score	122
Exons	1..100, 289..442		

GI Descrip. (L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]

Seq. No.	3022	Seq. ID	OJ990822_44.0105.C5
Gene No.	6410	Strand	-
Start	535	End	720
Name	OJ990822_44.0105.C5.o1.gs	Method	GENSCAN
Start	535	End	720
GI	none	Score	.97
Exons	535..720		

Seq. No.	3023	Seq. ID	OJ990822_44.0105.C6
Gene No.	6411	Strand	-
Start	1	End	643
Name	OJ990822_44.0105.C6.o1.np	Method	AAT/NAP
Start	1	End	643
GI	2498930	Score	736
Exons	1..415, 583..643		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3023	Seq. ID	OJ990822_44.0105.C6
Gene No.	6411	Strand	-
Start	1	End	643
Name	OJ990822_44.0105.C6.o1.gs	Method	GENSCAN
Start	21	End	642
GI	none	Score	1
Exons	21..415, 583..642		

Seq. No.	3024	Seq. ID	OJ990822_44.0105.C7
Gene No.	6412	Strand	+
Start	1	End	488
Name	OJ990822_44.0105.C7.o1.np	Method	AAT/NAP
Start	1	End	488
GI	4416302	Score	277
Exons	1..488		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	3024	Seq. ID	OJ990822_44.0105.C7
Gene No.	6412	Strand	+
Start	1	End	488
Name	OJ990822_44.0105.C7.o1.tm	Method	TBLASTX:Maize
Start	27	End	456
GI	none	Score	288
Exons	27..347, 74..229, 266..340, 370..456		

Seq. No.	3024	Seq. ID	OJ990822_44.0105.C7
Gene No.	6412	Strand	+
Start	1	End	488
Name	OJ990822_44.0105.C7.o1.ts	Method	TBLASTX:Soybean
Start	54	End	344
GI	none	Score	183
Exons	54..344, 107..337		

Seq. No.	3024	Seq. ID	OJ990822_44.0105.C7
Gene No.	6412	Strand	+
Start	1	End	488
Name	OJ990822_44:0105.C7.o1.tw	Method	TBLASTX:Wheat
Start	96	End	251
GI	none	Score	186
Exons	96..251, 98..226, 99..245		

Seq. No.	3025	Seq. ID	OJ990822_44.0105.C12
Gene No.	6413	Strand	-
Start	363	End	592
Name	OJ990822_44.0105.C12.o1.np	Method	AAT/NAP
Start	363	End	592

GI	1304227	Score	259
Exons	363..592		
GI Descrip.	(D63781) Epoxide hydrolase [Glycine max] gi|2764804|emb|CAA55293| (X78547) epoxide hydrolase [Glycine max]		

Seq. No.	3025	Seq. ID	OJ990822_44.0105.C12
Gene No.	6413	Strand	-
Start	363	End	592
Name	OJ990822_44.0105.C12.o1.gs	Method	GENSCAN
Start	367	End	519
GI	none	Score	.82
Exons	367..519		

Seq. No.	3025	Seq. ID	OJ990822_44.0105.C12
Gene No.	6413	Strand	-
Start	363	End	592
Name	OJ990822_44.0105.C12.o1.tc	Method	TBLASTX:Cress
Start	415	End	583
GI	none	Score	139
Exons	415..582, 419..583		

Seq. No.	3025	Seq. ID	OJ990822_44.0105.C12
Gene No.	6413	Strand	-
Start	363	End	592
Name	OJ990822_44.0105.C12.o1.ts	Method	TBLASTX:Soybean
Start	415	End	591
GI	none	Score	164
Exons	415..591, 434..586, 517..591		

Seq. No.	3025	Seq. ID	OJ990822_44.0105.C12
Gene No.	6413	Strand	-
Start	363	End	592
Name	OJ990822_44.0105.C12.o1.tm	Method	TBLASTX:Maize
Start	415	End	592
GI	none	Score	203
Exons	415..588, 416..589, 533..592		

Seq. No.	3025	Seq. ID	OJ990822_44.0105.C12
Gene No.	6413	Strand	-
Start	363	End	592
Name	OJ990822_44.0105.C12.o1.tw	Method	TBLASTX:Wheat
Start	430	End	592
GI	none	Score	147
Exons	430..585, 440..586, 533..592		

Seq. No.	3026	Seq. ID	OJ990822_44.0105.C13
Gene No.	6414	Strand	+
Start	198	End	636
Name	OJ990822_44.0105.C13.o1.gs	Method	GENSCAN
Start	198	End	636
GI	none	Score	.67
Exons	198..636		

Seq. No.	3027	Seq. ID	OJ990822_44.0105.C17
Gene No.	6415	Strand	-
Start	119	End	326

Name	OJ990822_44.0105.C17.o1.gs	Method	GENSCAN
Start	119	End	326
GI	none	Score	.43
Exons	119..326		

Seq. No.	3028	Seq. ID	OJ990822_44.0105.C18
Gene No.	6416	Strand	-
Start	1	End	601
Name	OJ990822_44.0105.C18.o1.gp	Method	AAT/GAP
Start	1	End	601
GI	52366_1.R1084	Score	313
Exons	1..178, 581..601		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	3028	Seq. ID	OJ990822_44.0105.C18
Gene No.	6416	Strand	-
Start	1	End	601
Name	OJ990822_44.0105.C18.o1.gs	Method	GENSCAN
Start	8	End	176
GI	none	Score	.48
Exons	8..176		

Seq. No.	3029	Seq. ID	OJ990822_44.0105.C19
Gene No.	6417	Strand	+
Start	102	End	416
Name	OJ990822_44.0105.C19.o1.np	Method	AAT/NAP
Start	102	End	416
GI	6539586	Score	533
Exons	102..416		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3029	Seq. ID	OJ990822_44.0105.C19
Gene No.	6418	Strand	-
Start	57	End	193
Name	OJ990822_44.0105.C19.o1.gs	Method	GENSCAN
Start	57	End	193
GI	none	Score	.51
Exons	57..193		

Seq. No.	3030	Seq. ID	OJ990822_44.0105.C20
Gene No.	6419	Strand	+
Start	1	End	941
Name	OJ990822_44.0105.C20.o1.np	Method	AAT/NAP
Start	1	End	941
GI	6721562	Score	1527
Exons	1..941		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	3030	Seq. ID	OJ990822_44.0105.C20
Gene No.	6419	Strand	+
Start	1	End	941
Name	OJ990822_44.0105.C20.o1.gs	Method	GENSCAN

Start	82	End	923
GI	none	Score	.42
Exons	82..664, 807..923		

Seq. No.	3030	Seq. ID	OJ990822_44.0105.C20
Gene No.	6419	Strand	+
Start	1	End	941
Name	OJ990822_44.0105.C20.o1.tw	Method	TBLASTX:Wheat
Start	509	End	901
GI	none	Score	58
Exons	509..556, 563..661, 568..660, 628..867, 644..901		

Seq. No.	3030	Seq. ID	OJ990822_44.0105.C20
Gene No.	6419	Strand	+
Start	1	End	941
Name	OJ990822_44.0105.C20.o1.tm	Method	TBLASTX:Maize
Start	514	End	799
GI	none	Score	188
Exons	514..798, 551..799		

Seq. No.	3031	Seq. ID	OJ990822_44.0105.C22
Gene No.	6420	Strand	+
Start	1	End	629
Name	OJ990822_44.0105.C22.o1.np	Method	AAT/NAP
Start	1	End	629
GI	6466937	Score	531
Exons	1..629		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3031	Seq. ID	OJ990822_44.0105.C22
Gene No.	6420	Strand	+
Start	1	End	629
Name	OJ990822_44.0105.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	436
GI	none	Score	115
Exons	1..276, 2..436, 7..381		

Seq. No.	3031	Seq. ID	OJ990822_44.0105.C22
Gene No.	6420	Strand	+
Start	1	End	629
Name	OJ990822_44.0105.C22.o1.tw	Method	TBLASTX:Wheat
Start	56	End	436
GI	none	Score	280
Exons	56..436, 64..237		

Seq. No.	3031	Seq. ID	OJ990822_44.0105.C22
Gene No.	6420	Strand	+
Start	1	End	629
Name	OJ990822_44.0105.C22.o1.ts	Method	TBLASTX:Soybean
Start	64	End	328
GI	none	Score	160
Exons	64..207, 65..208, 232..291, 236..298, 284..328		

Seq. No.	3031	Seq. ID	OJ990822_44.0105.C22
Gene No.	6420	Strand	+
Start	1	End	629

Name	OJ990822_44.0105.C22.o1.gs	Method	GENSCAN
Start	224	End	619
GI	none	Score	.54
Exons	224..619		

Seq. No.	3032	Seq. ID	OJ990822_44.0105.C24
Gene No.	6421	Strand	+
Start	44	End	523
Name	OJ990822_44.0105.C24.o1.np	Method	AAT/NAP
Start	44	End	523
GI	5922623	Score	129
Exons	44..282, 450..523		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3032	Seq. ID	OJ990822_44.0105.C24
Gene No.	6422	Strand	-
Start	33	End	196
Name	OJ990822_44.0105.C24.o1.gs	Method	GENSCAN
Start	33	End	196
GI	none	Score	.66
Exons	33..196		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6423	Strand	+
Start	1	End	5204
Name	OJ990822_44.0105.C25.o1.np	Method	AAT/NAP
Start	1	End	5204
GI	5441880	Score	2389
Exons	1..705, 1150..1181, 1440..1766, 2378..2517, 2626..2959, 3539..3837, 3942..4207, 4446..4696, 4990..5204		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6423	Strand	+
Start	1	End	5204
Name	OJ990822_44.0105.C25.o1.gs	Method	GENSCAN
Start	174	End	5153
GI	none	Score	.79
Exons	174..1231, 1283..1362, 1534..1760, 2444..2517, 2593..2747, 2771..2940, 3045..3267, 3340..3458, 3539..3837, 3955..4114, 4297..4404, 4451..4552, 4668..4690, 4748..5153		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6423	Strand	+
Start	1	End	5204
Name	OJ990822_44.0105.C25.o1.gp	Method	AAT/GAP
Start	2632	End	4883
GI	LIB3433-020-P1-K1-A6	Score	746
Exons	2632..2674, 4497..4883		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25

Gene No.	6424	Strand	+
Start	7408	End	7656
Name	OJ990822_44.0105.C25.o2.np	Method	AAT/NAP
Start	7408	End	7656
GI	136140	Score	184
Exons	7408..7656		
GI Descrip.	PUTATIVE AC9 TRANSPOSASE gi|72973|pir||TQZMCA probable transposase - maize transposon Ac9		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6425	Strand	+
Start	8307	End	9564
Name	OJ990822_44.0105.C25.o2.gp	Method	AAT/GAP
Start	8307	End	8437
GI	54795_1.R1084	Score	175
Exons	8307..8437		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6425	Strand	+
Start	8307	End	9564
Name	OJ990822_44.0105.C25.o3.np	Method	AAT/NAP
Start	8307	End	9564
GI	1086147	Score	136
Exons	8307..8444, 9539..9564		
GI Descrip.	protein S2 - Phalaris coerulescens		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6426	Strand	+
Start	12555	End	15090
Name	OJ990822_44.0105.C25.o4.gs	Method	GENSCAN
Start	12555	End	15090
GI	none	Score	.65
Exons	12555..12672, 14015..14251, 14766..14908, 14971..15090		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6427	Strand	+
Start	27857	End	28271
Name	OJ990822_44.0105.C25.o8.gs	Method	GENSCAN
Start	27857	End	28271
GI	none	Score	.61
Exons	27857..28019, 28138..28271		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6428	Strand	-
Start	5914	End	6581
Name	OJ990822_44.0105.C25.o2.gs	Method	GENSCAN
Start	5914	End	6581
GI	none	Score	.65
Exons	5914..6096, 6203..6273, 6294..6392, 6419..6581		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6429	Strand	-
Start	6601	End	9793
Name	OJ990822_44.0105.C25.o4.np	Method	AAT/NAP
Start	6601	End	9793

GI	5803260	Score	247
Exons	6601..6649, 8876..9793		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6429	Strand	-
Start	6601	End	9793
Name	OJ990822_44.0105.C25.o5.np	Method	AAT/NAP
Start	6798	End	9736
GI	6587820	Score	80
Exons	6798..6880, 9570..9736		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6429	Strand	-
Start	6601	End	9793
Name	OJ990822_44.0105.C25.o3.gs	Method	GENSCAN
Start	8882	End	9790
GI	none	Score	.98
Exons	8882..8939, 8985..9790		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6430	Strand	-
Start	15523	End	18751
Name	OJ990822_44.0105.C25.o5.gs	Method	GENSCAN
Start	15523	End	18751
GI	none	Score	.79
Exons	15523..16673, 16802..16969, 17269..18120, 18691..18751		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6431	Strand	-
Start	25419	End	27055
Name	OJ990822_44.0105.C25.o6.np	Method	AAT/NAP
Start	25419	End	26938
GI	4680203	Score	982
Exons	25419..26938		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6431	Strand	-
Start	25419	End	27055
Name	OJ990822_44.0105.C25.o7.gs	Method	GENSCAN
Start	25727	End	27055
GI	none	Score	.6
Exons	25727..26571, 26661..26942, 27043..27055		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6432	Strand	-
Start	29166	End	32594
Name	OJ990822_44.0105.C25.o9.gs	Method	GENSCAN
Start	29166	End	32594
GI	none	Score	.57
Exons	29166..30194, 30386..30603, 31709..32594		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25

Gene No.	6432	Strand	-
Start	29166	End	32594
Name	OJ990822_44.0105.C25.o7.np	Method	AAT/NAP
Start	29291	End	31855
GI	6665543	Score	521
Exons	29291..30342, 30523..30603, 31709..31855		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o2.tm	Method	TBLASTX:Maize
Start	261	End	857
GI	none	Score	369
Exons	261..740, 266..739, 786..857		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o1.tw	Method	TBLASTX:Wheat
Start	555	End	932
GI	none	Score	190
Exons	555..704, 557..709, 558..725, 758..826, 759..932, 766..921		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o5.tw	Method	TBLASTX:Wheat
Start	4105	End	57057
GI	none	Score	94
Exons	4105..4215, 15854..15994, 15865..16005, 16012..16086, 16019..16102, 29494..29634, 29505..29633, 29652..29741, 29659..29799, 29739..29801, 47707..47835, 47708..47776, 47854..47943, 47861..47944, 56751..56846, 56971..57057		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o3.tm	Method	TBLASTX:Maize
Start	7393	End	7653
GI	none	Score	261
Exons	7393..7653, 7464..7646		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o3.ts	Method	TBLASTX:Soybean
Start	7393	End	7653
GI	none	Score	263
Exons	7393..7653, 7464..7649		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o7.tm	Method	TBLASTX:Maize
Start	8306	End	8417
GI	none	Score	189

Exons	8306..8413, 8307..8417		
Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o1.tc	Method	TBLASTX:Cress
Start	8885	End	57141
GI	none	Score	66
Exons	8885..8968, 9026..9052, 15856..16008, 16012..16086, 16216..16386, 16339..16512, 16513..16569, 17288..17371, 17399..17458, 29496..29648, 29652..29753, 29656..29754, 29751..29801, 29856..30026, 29875..29979, 29979..30152, 30153..30209, 31728..31796, 47698..47772, 47698..47850, 47854..47943, 47858..47956, 47953..48018, 48058..48240, 48077..48232, 48226..48357, 48373..48408, 49887..49976, 50004..50060, 50160..50294, 56748..56846, 56971..57057, 57076..57141		
Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o1.tm	Method	TBLASTX:Maize
Start	15676	End	57135
GI	none	Score	59
Exons	15676..15819, 15694..15864, 15865..15987, 15872..15985, 16012..16086, 16016..16102, 16192..16386, 16232..16291, 16339..16497, 16385..16471, 29313..29504, 29505..29627, 29652..29747, 29656..29748, 29751..29813, 29752..29817, 29832..30026, 30039..30137, 30147..30236, 47491..47706, 47707..47835, 47719..47835, 47854..47943, 47858..47944, 47951..48019, 47953..48015, 48034..48240, 48074..48139, 48202..48357, 48227..48313, 48349..48438, 48377..48418, 56748..56846, 56971..57057, 57076..57135		
Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o1.ts	Method	TBLASTX:Soybean
Start	15865	End	57057
GI	none	Score	77
Exons	15865..15987, 15866..15985, 16010..16087, 16018..16086, 16204..16341, 16235..16339, 16372..16497, 16409..16471, 16537..16605, 29493..29627, 29512..29625, 29644..29727, 29658..29747, 29751..29816, 29752..29814, 29844..29981, 29875..29979, 30039..30137, 30177..30245, 47707..47832, 47714..47776, 47852..47929, 47860..47946, 47953..48018, 47972..48016, 48046..48183, 48077..48163, 48241..48339, 48251..48313, 56724..56846, 56971..57057, 56975..57046		
Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o4.tw	Method	TBLASTX:Wheat
Start	16178	End	48394
GI	none	Score	70
Exons	16178..16321, 16216..16386, 16235..16339, 16339..16482, 16409..16471, 29826..29948, 29835..30026, 29875..29979,		

30024..30122, 30049..30111, 30051..30116, 47962..48003,
48037..48228, 48181..48351, 48251..48313, 48371..48394

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o4.tm	Method	TBLASTX:Maize
Start	25527	End	26036
GI	none	Score	37
Exons	25527..25586, 25595..25720, 25627..25719, 25736..25966, 25743..25904, 25995..26036		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o2.tw	Method	TBLASTX:Wheat
Start	25604	End	25982
GI	none	Score	58
Exons	25604..25720, 25605..25721, 25751..25861, 25761..25862, 25868..25972, 25875..25982		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o2.tc	Method	TBLASTX:Cress
Start	25814	End	26164
GI	none	Score	86
Exons	25814..26164, 25815..25967, 26007..26156		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o4.ts	Method	TBLASTX:Soybean
Start	25895	End	26164
GI	none	Score	110
Exons	25895..26164, 25908..26150		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o3.tw	Method	TBLASTX:Wheat
Start	26042	End	26590
GI	none	Score	211
Exons	26042..26161, 26174..26590		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o2.ts	Method	TBLASTX:Soybean
Start	26189	End	26467
GI	none	Score	192
Exons	26189..26464, 26196..26465, 26312..26467		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o6.tm	Method	TBLASTX:Maize

Start	46044	End	46863
GI	none	Score	109
Exons	46044..46160, 46049..46186, 46061..46165, 46069..46173, 46158..46223, 46212..46247, 46239..46355, 46240..46359, 46245..46367, 46247..46369, 46249..46356, 46642..46758, 46643..46768, 46646..46771, 46647..46784, 46756..46860, 46757..46858, 46762..46863		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o8.np	Method	AAT/NAP
Start	46413	End	47524
GI	4539658	Score	202
Exons	46413..46569, 46654..46788, 47478..47524		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o9.np	Method	AAT/NAP
Start	47393	End	50438
GI	6587818	Score	545
Exons	47393..48420, 48977..49147, 49880..50438		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o10.np	Method	AAT/NAP
Start	49052	End	57182
GI	223684	Score	30
Exons	49052..49147, 49889..49992, 54361..54463, 54648..54681, 57152..57182		
GI Descrip.	epidermal growth factor precursor [Mus musculus]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o12.np	Method	AAT/NAP
Start	53145	End	54864
GI	6688926	Score	158
Exons	53145..53280, 54462..54864		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o12.gs	Method	GENSCAN
Start	53214	End	53861
GI	none	Score	.9
Exons	53214..53377, 53495..53861		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25

Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o11.np	Method	AAT/NAP
Start	53368	End	54957
GI	6522929	Score	67
Exons	53368..53758, 54936..54957		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o5.tm	Method	TBLASTX:Maize
Start	53515	End	53866
GI	none	Score	65
Exons	53515..53613, 53518..53598, 53555..53614, 53601..53753, 53617..53748, 53622..53756, 53708..53785, 53831..53866		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o13.gs	Method	GENSCAN
Start	54457	End	57006
GI	none	Score	.8
Exons	54457..54867, 56415..56615, 56697..56847, 56924..57006		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o3.gp	Method	AAT/GAP
Start	55529	End	55938
GI	LIB3432-012-P1-K1-G7	Score	740
Exons	55529..55938		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-38 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3033	Seq. ID	OJ990822_44.0105.C25
Gene No.	6433	Strand	-
Start	46413	End	57182
Name	OJ990822_44.0105.C25.o13.np	Method	AAT/NAP
Start	56245	End	57182
GI	3176723	Score	155
Exons	56245..56330, 56438..56592, 56671..56847, 56924..57182		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+
Start	9829	End	23619
Name	OJ990822_44.0105.C26.o1.np	Method	AAT/NAP
Start	9829	End	13883
GI	4008008	Score	265
Exons	9829..9916, 12813..12929, 13061..13220, 13269..13323, 13419..13624, 13722..13883		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+

Start	9829	End	23619
Name	OJ990822_44.0105.C26.o5.gs	Method	GENSCAN
Start	12831	End	23543
GI	none	Score	.82
Exons	12831..12929, 13061..13319, 13421..13649, 13750..13903, 14206..14319, 15602..15802, 19945..20157, 20302..20433, 20468..20575, 20681..20878, 21541..21810, 22911..23111, 23353..23543		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+
Start	9829	End	23619
Name	OJ990822_44.0105.C26.o2.gp	Method	AAT/GAP
Start	13870	End	20514
GI	2427628	Score	840
Exons	13870..13903, 19945..20157, 20302..20514		
GI Descrip.	1167953 2.0e-26 (U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] >gi_2465426 (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+
Start	9829	End	23619
Name	OJ990822_44.0105.C26.o2.np	Method	AAT/NAP
Start	18302	End	20545
GI	1167953	Score	361
Exons	18302..18359, 19955..20145, 20302..20545		
GI Descrip.	(U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465426 (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+
Start	9829	End	23619
Name	OJ990822_44.0105.C26.o3.np	Method	AAT/NAP
Start	20672	End	21801
GI	4584685	Score	301
Exons	20672..20887, 21541..21801		
GI Descrip.	(AJ237754) putative lectin [Hordeum vulgare]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+
Start	9829	End	23619
Name	OJ990822_44.0105.C26.o4.np	Method	AAT/NAP
Start	21440	End	23619
GI	2465430	Score	224
Exons	21440..21509, 22874..23111, 23353..23619		
GI Descrip.	(AF021258) 32 kDa protein [Hordeum vulgare]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6434	Strand	+
Start	9829	End	23619
Name	OJ990822_44.0105.C26.o5.np	Method	AAT/NAP
Start	21699	End	23613
GI	1167955	Score	254
Exons	21699..21731, 22874..23111, 23353..23613		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6435	Strand	-
Start	1	End	1171
Name	OJ990822_44.0105.C26.o1.gp	Method	AAT/GAP
Start	1	End	871
GI	LIB3432-022-P1-K1-E11	Score	390
Exons	1..186, 804..871		
GI Descrip.	'3953479 8.0e-09 (AC002328) F22O2.24 [Arabidopsis thaliana]'		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6435	Strand	-
Start	1	End	1171
Name	OJ990822_44.0105.C26.o2.gs	Method	GENSCAN
Start	737	End	1171
GI	none	Score	.83
Exons	737..813, 991..1171		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6436	Strand	-
Start	2130	End	2895
Name	OJ990822_44.0105.C26.o3.gs	Method	GENSCAN
Start	2130	End	2895
GI	none	Score	.7
Exons	2130..2267, 2812..2895		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6437	Strand	-
Start	7594	End	10113
Name	OJ990822_44.0105.C26.o4.gs	Method	GENSCAN
Start	7594	End	10113
GI	none	Score	.83
Exons	7594..7823, 10056..10113		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6438	Strand	
Start	12858	End	15757
Name	OJ990822_44.0105.C26.o1.tm	Method	TBLASTX:Maize
Start	12858	End	15757
GI	none	Score	74
Exons	12858..12926, 13061..13225, 13265..13330, 13435..13647, 13524..13643, 13759..13845, 15602..15757		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6438	Strand	
Start	12858	End	15757
Name	OJ990822_44.0105.C26.o1.tc	Method	TBLASTX:Cress
Start	12984	End	13852
GI	none	Score	39
Exons	12984..13028, 13064..13198, 13268..13321, 13423..13647, 13754..13852		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6438	Strand	
Start	12858	End	15757
Name	OJ990822_44.0105.C26.o1.tw	Method	TBLASTX:Wheat
Start	13049	End	13852

GI	none	Score	39
Exons	13049..13102, 13057..13107, 13124..13315, 13133..13225, 13279..13314, 13414..13497, 13439..13474, 13512..13652, 13513..13620, 13754..13852, 13756..13845		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6438	Strand	
Start	12858	End	15757
Name	OJ990822_44.0105.C26.o1.ts	Method	TBLASTX:Soybean
Start	13112	End	13846
GI	none	Score	84
Exons	13112..13225, 13262..13330, 13435..13647, 13754..13846		

Seq. No.	3034	Seq. ID	OJ990822_44.0105.C26
Gene No.	6439	Strand	
Start	19975	End	23114
Name	OJ990822_44.0105.C26.o2.tm	Method	TBLASTX:Maize
Start	19975	End	23114
GI	none	Score	131
Exons	19975..20130, 20556..20576, 20687..20869, 20689..20868, 20696..20872, 22917..22961, 22921..22968, 22970..23101, 22971..23114		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6440	Strand	+
Start	462	End	593
Name	OJ990822_44.0105.C27.o1.gs	Method	GENSCAN
Start	462	End	593
GI	none	Score	.57
Exons	462..593		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6441	Strand	+
Start	2113	End	2516
Name	OJ990822_44.0105.C27.o1.np	Method	AAT/NAP
Start	2113	End	2516
GI	2462640	Score	470
Exons	2113..2516		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6442	Strand	+
Start	3168	End	3682
Name	OJ990822_44.0105.C27.o2.gs	Method	GENSCAN
Start	3168	End	3682
GI	none	Score	.99
Exons	3168..3291, 3456..3682		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6443	Strand	+
Start	10020	End	24653
Name	OJ990822_44.0105.C27.o5.np	Method	AAT/NAP
Start	10020	End	24653
GI	4680203	Score	1886
Exons	10020..10046, 13127..13796, 18182..19212, 19366..19545, 24633..24653		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6443	Strand	+
Start	10020	End	24653
Name	OJ990822_44.0105.C27.o2.np	Method	AAT/NAP
Start	10149	End	11055
GI	5852178	Score	407
Exons	10149..10458, 10490..10584, 10947..11055		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6443	Strand	+
Start	10020	End	24653
Name	OJ990822_44.0105.C27.o3.np	Method	AAT/NAP
Start	10223	End	11783
GI	6063554	Score	210
Exons	10223..10406, 10497..10561, 11611..11783		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6443	Strand	+
Start	10020	End	24653
Name	OJ990822_44.0105.C27.o4.np	Method	AAT/NAP
Start	10857	End	14179
GI	6721512	Score	79
Exons	10857..10880, 12458..12563, 12591..12729, 14139..14179		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6443	Strand	+
Start	10020	End	24653
Name	OJ990822_44.0105.C27.o1.gp	Method	AAT/GAP
Start	12165	End	12339
GI	LIB3433-026-P1-K1-C1	Score	247
Exons	12165..12339		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6444	Strand	+
Start	28594	End	29061
Name	OJ990822_44.0105.C27.o8.np	Method	AAT/NAP
Start	28594	End	29061
GI	5852182	Score	319
Exons	28594..29061		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o3.tm	Method	TBLASTX:Maize
Start	2136	End	2633
GI	none	Score	214
Exons	2136..2549, 2381..2542, 2598..2633		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o3.gs	Method	GENSCAN
Start	4071	End	5104
GI	none	Score	.62
Exons	4071..4409, 4460..5104		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o1.tm	Method	TBLASTX:Maize
Start	4227	End	5173
GI	none	Score	40
Exons	4227..4442, 4445..4564, 4589..4678, 4695..4754, 4769..4975, 4866..5048, 4976..5074, 5087..5173, 5124..5153		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o1.tc	Method	TBLASTX:Cress
Start	4463	End	21624
GI	none	Score	64
Exons	4463..4585, 4589..4678, 4793..4975, 4976..5089, 5090..5149, 21205..21285, 21337..21378, 21424..21489, 21529..21624		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o1.ts	Method	TBLASTX:Soybean
Start	4463	End	5074
GI	none	Score	68
Exons	4463..4564, 4464..4562, 4587..4664, 4595..4678, 4781..4918, 4976..5074		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o4.tw	Method	TBLASTX:Wheat
Start	4463	End	4678
GI	none	Score	87
Exons	4463..4570, 4467..4571, 4589..4678		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o6.np	Method	AAT/NAP
Start	4661	End	29227
GI	1754627	Score	43
Exons	4661..4707, 20262..20443, 25635..25671, 29207..29227		
GI Descrip.	(D86566) NOTCH4 [Homo sapiens]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o2.tw	Method	TBLASTX:Wheat
Start	7051	End	18914

GI	none	Score	58
Exons	7051..7182, 18457..18492, 18501..18551, 18501..18539, 18550..18600, 18551..18604, 18618..18704, 18619..18705, 18706..18912, 18707..18910, 18708..18914		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o3.tw	Method	TBLASTX:Wheat
Start	13491	End	29227
GI	none	Score	73
Exons	13491..13598, 13581..13796, 13589..13795, 13590..13796, 18172..18216, 18176..18217, 29083..29127, 29115..29174, 29171..29227		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o2.ts	Method	TBLASTX:Soybean
Start	18176	End	18577
GI	none	Score	69
Exons	18176..18223, 18281..18577, 18308..18490		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o2.tm	Method	TBLASTX:Maize
Start	18554	End	18948
GI	none	Score	76
Exons	18554..18625, 18619..18744, 18625..18744, 18754..18948		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o1.tw	Method	TBLASTX:Wheat
Start	19053	End	19500
GI	none	Score	86
Exons	19053..19154, 19054..19116, 19122..19304, 19126..19368, 19126..19344, 19364..19483, 19365..19481, 19378..19500, 19378..19500		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o7.np	Method	AAT/NAP
Start	26005	End	29227
GI	5852180	Score	182
Exons	26005..26358, 27367..27471, 29182..29227		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3035	Seq. ID	OJ990822_44.0105.C27
Gene No.	6445	Strand	-
Start	4071	End	29227
Name	OJ990822_44.0105.C27.o2.gp	Method	AAT/GAP
Start	27872	End	28035
GI	3106931	Score	215
Exons	27872..28035		

GI Descrip.	4680335/gb|AF128457.1|AF128457 2.0e-28 Oryza sativa subsp. indica BAC clone 16F19 php20725 region, complete sequence		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6446	Strand	+
Start	131	End	2201
Name	OJ990822_44.0105.C28.o1.np	Method	AAT/NAP
Start	131	End	2201
GI	6742729	Score	1775
Exons	131..1648, 2177..2201		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6446	Strand	+
Start	131	End	2201
Name	OJ990822_44.0105.C28.o1.gs	Method	GENSCAN
Start	428	End	1493
GI	none	Score	.95
Exons	428..701, 1381..1493		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o2.np	Method	AAT/NAP
Start	1	End	2201
GI	4335731	Score	392
Exons	1..55, 1554..2201		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o3.tw	Method	TBLASTX:Wheat
Start	240	End	580
GI	none	Score	218
Exons	240..413, 240..419, 412..513, 412..510, 413..580		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o2.tm	Method	TBLASTX:Maize
Start	315	End	742
GI	none	Score	75
Exons	315..413, 413..538, 548..742		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o4.tw	Method	TBLASTX:Wheat
Start	844	End	1251
GI	none	Score	74
Exons	844..894, 848..910, 848..904, 916..984, 920..967, 927..980, 981..1097, 982..1137, 997..1137, 1170..1241, 1171..1251		
Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-

Start	1	End	2201
Name	OJ990822_44.0105.C28.o2.tw	Method	TBLASTX:Wheat
Start	1252	End	1585
GI	none	Score	68
Exons	1252..1440, 1257..1340, 1257..1571, 1258..1572, 1298..1585		

Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o3.tm	Method	TBLASTX:Maize
Start	1306	End	1569
GI	none	Score	200
Exons	1306..1569, 1329..1535		

Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o1.tm	Method	TBLASTX:Maize
Start	1570	End	1997
GI	none	Score	79
Exons	1570..1827, 1586..1735, 1600..1830, 1772..1837, 1814..1984, 1835..1984, 1836..1997, 1842..1994		

Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o1.ts	Method	TBLASTX:Soybean
Start	1822	End	2180
GI	5509260	Score	103
Exons	1822..1992, 1823..1984, 1835..2167, 1836..2180		
GI Descrip.	-		

Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o1.tw	Method	TBLASTX:Wheat
Start	1835	End	2155
GI	none	Score	125
Exons	1835..2155, 1839..1991, 2013..2150		

Seq. No.	3036	Seq. ID	OJ990822_44.0105.C28
Gene No.	6447	Strand	-
Start	1	End	2201
Name	OJ990822_44.0105.C28.o1.tc	Method	TBLASTX:Cress
Start	1916	End	2168
GI	none	Score	105
Exons	1916..2167, 1917..2168		

Seq. No.	3037	Seq. ID	OJ990822_44.0105.C29
Gene No.	6448	Strand	-
Start	1	End	515
Name	OJ990822_44.0105.C29.o1.np	Method	AAT/NAP
Start	1	End	515
GI	2498930	Score	814
Exons	1..515		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3037	Seq. ID	OJ990822_44.0105.C29
Gene No.	6448	Strand	-
Start	1	End	515
Name	OJ990822_44.0105.C29.o1.gs	Method	GENSCAN
Start	30	End	453
GI	none	Score	.52
Exons	30..453		

Seq. No.	3038	Seq. ID	OJ990822_44.0105.C30
Gene No.	6449	Strand	+
Start	928	End	1225
Name	OJ990822_44.0105.C30.o1.np	Method	AAT/NAP
Start	928	End	1225
GI	728832	Score	326
Exons	928..1225		
GI Descrip.	**** ALU SUBFAMILY SB WARNING ENTRY ****		

Seq. No.	3038	Seq. ID	OJ990822_44.0105.C30
Gene No.	6450	Strand	-
Start	57	End	101
Name	OJ990822_44.0105.C30.o1.gs	Method	GENSCAN
Start	57	End	101
GI	none	Score	.45
Exons	57..101		

Seq. No.	3039	Seq. ID	OJ990822_47.0103.C1
Gene No.	6451	Strand	+
Start	951	End	1378
Name	OJ990822_47.0103.C1.o1.gp	Method	AAT/GAP
Start	951	End	1378
GI	4878407	Score	661
Exons	951..1378		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	3039	Seq. ID	OJ990822_47.0103.C1
Gene No.	6452	Strand	-
Start	117	End	2542
Name	OJ990822_47.0103.C1.o1.np	Method	AAT/NAP
Start	117	End	1677
GI	4680186	Score	189
Exons	117..155, 1519..1677		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3039	Seq. ID	OJ990822_47.0103.C1
Gene No.	6452	Strand	-
Start	117	End	2542
Name	OJ990822_47.0103.C1.o1.gs	Method	GENSCAN
Start	293	End	2542
GI	none	Score	.74
Exons	293..565, 865..922, 941..1118, 1489..1689, 2489..2542		

Seq. No.	3039	Seq. ID	OJ990822_47.0103.C1
Gene No.	6453	Strand	-
Start	3063	End	3484
Name	OJ990822_47.0103.C1.o2.gp	Method	AAT/GAP

Start	3063	End	3484
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	3063..3137, 3448..3484		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6454	Strand	+
Start	875	End	6690
Name	OJ990822_47.0103.C2.o1.gs	Method	GENSCAN
Start	875	End	6690
GI	none	Score	.92
Exons	875..1007, 1331..1460, 5958..6690		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6454	Strand	+
Start	875	End	6690
Name	OJ990822_47.0103.C2.o1.np	Method	AAT/NAP
Start	875	End	6631
GI	1491933	Score	757
Exons	875..1007, 1331..1460, 5958..6631		
GI Descrip.	(U57002) P protein [Zea mays]		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	866	End	6051
GI	none	Score	211
Exons	866..1009, 874..1008, 877..1014, 1297..1467, 1320..1463, 5953..6051, 5955..6041		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	874	End	6093
GI	none	Score	91
Exons	874..1008, 874..1008, 875..1009, 1297..1467, 1320..1469, 5953..6093, 5955..6056		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o2.tw	Method	TBLASTX:Wheat
Start	874	End	1461
GI	none	Score	175
Exons	874..1008, 875..1009, 1279..1461, 1308..1400, 1369..1458		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	875	End	6000
GI	none	Score	111
Exons	875..1009, 877..939, 971..1003, 1300..1467, 1308..1463,		

5953..6000

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o2.np	Method	AAT/NAP
Start	5950	End	7595
GI	6539588	Score	199
Exons	5950..5979, 7278..7595		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o2.gs	Method	GENSCAN
Start	7107	End	9554
GI	none	Score	.44
Exons	7107..7111, 7360..7536, 9327..9380, 9524..9554		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	8656	End	9324
GI	none	Score	70
Exons	8656..8916, 8935..9324, 8978..9136		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o3.np	Method	AAT/NAP
Start	8668	End	9588
GI	6630685	Score	921
Exons	8668..9588		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	8686	End	9339
GI	none	Score	43
Exons	8686..9339, 8696..8755, 8701..9054, 8786..9334		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o2.tc	Method	TBLASTX:Cress
Start	8686	End	9051
GI	none	Score	89
Exons	8686..8931, 8920..9051		

Seq. No.	3040	Seq. ID	OJ990822_47.0103.C2
Gene No.	6455	Strand	-
Start	5950	End	9588
Name	OJ990822_47.0103.C2.o1.tw	Method	TBLASTX:Wheat

Start	8731	End	9165
GI	none	Score	77
Exons	8731..8922, 8731..8907, 8926..9165		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	841
GI	6630685	Score	621
Exons	1..841		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	3	End	359
GI	none	Score	217
Exons	3..302, 4..303, 291..359, 299..358		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	22	End	634
GI	5509260	Score	187
Exons	22..303, 27..302, 299..562, 300..545, 341..571, 584..634, 584..634		
GI Descrip.	-		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	36	End	506
GI	none	Score	89
Exons	36..302, 54..209, 58..216, 238..303, 299..382, 300..374, 383..412, 416..505, 417..506		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	141	End	400
GI	none	Score	107
Exons	141..302, 299..400		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o1.gs	Method	GENSCAN
Start	194	End	834
GI	none	Score	.46
Exons	194..788, 794..834		

Seq. No.	3041	Seq. ID	OJ990822_47.0103.C3
Gene No.	6456	Strand	-
Start	1	End	841
Name	OJ990822_47.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	362	End	640
GI	none	Score	59
Exons	362..421, 362..421, 363..467, 407..556, 417..539, 563..640		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6457	Strand	+
Start	15964	End	28551
Name	OJ990822_47.0103.C5.o4.gs	Method	GENSCAN
Start	15964	End	28551
GI	none	Score	.73
Exons	15964..16009, 17522..17641, 17753..17910, 20137..20320, 20449..20591, 20724..20870, 21024..21266, 21356..21427, 22007..22117, 22203..22284, 22376..22471, 22587..22760, 22838..22944, 23070..23235, 23362..23530, 23619..23741, 23835..23872, 23966..24129, 24214..24402, 24576..25072, 25687..25808, 26303..26449, 28436..28551		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6457	Strand	+
Start	15964	End	28551
Name	OJ990822_47.0103.C5.o2.np	Method	AAT/NAP
Start	20181	End	25073
GI	2529677	Score	2080
Exons	20181..20320, 20449..20615, 20727..20870, 21024..21237, 21354..21427, 21558..21626, 22203..22284, 22376..22471, 22587..22760, 22838..22944, 23070..23210, 23376..23530, 23619..23872, 23966..24129, 24214..24332, 24583..25073		
GI Descrip.	(AC002535) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6458	Strand	+
Start	30601	End	32395
Name	OJ990822_47.0103.C5.o4.gp	Method	AAT/GAP
Start	30322	End	30634
GI	2311650	Score	517
Exons	30322..30634		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6458	Strand	+
Start	30601	End	32395
Name	OJ990822_47.0103.C5.o5.gs	Method	GENSCAN
Start	30601	End	32072
GI	none	Score	.75
Exons	30601..31090, 31191..31408, 31937..32072		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6458	Strand	+
Start	30601	End	32395
Name	OJ990822_47.0103.C5.o4.np	Method	AAT/NAP
Start	30604	End	32395
GI	3249105	Score	1100
Exons	30604..30813, 30919..31090, 31191..31408, 31515..31622, 31711..31836, 31937..32395		

GI Descrip. (AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb|X78886 from A. thaliana. [Arabidopsis thaliana]

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6458	Strand	+
Start	30601	End	32395
Name	OJ990822_47.0103.C5.o5.gp	Method	AAT/GAP
Start	31959	End	32097
GI	427384	Score	197
Exons	31959..32097		

GI Descrip. 3249105 3.0e-12 (AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb_X78886 from A. thaliana. [Arabidopsis thaliana]

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6459	Strand	-
Start	623	End	1293
Name	OJ990822_47.0103.C5.o1.gp	Method	AAT/GAP
Start	623	End	1293
GI	none	Score	905
Exons	623..826, 994..1293		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6460	Strand	-
Start	1411	End	4266
Name	OJ990822_47.0103.C5.o1.np	Method	AAT/NAP
Start	1411	End	4266
GI	6714443	Score	574
Exons	1411..1991, 2822..3112, 3197..4266		

GI Descrip. (AC011620) unknown protein [Arabidopsis thaliana]

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6460	Strand	-
Start	1411	End	4266
Name	OJ990822_47.0103.C5.o2.gp	Method	AAT/GAP
Start	1530	End	2920
GI	71359_1.R1084	Score	997
Exons	1530..1991, 2822..2920		

GI Descrip. '3881722/emb|CAA93426.1| 2.0e-09 (Z69385) Similarity to Human XE169 protein (SW:XE169_HUMAN); cDNA EST EMBL:D27033 comes from this gene; cDNA EST EMBL:D27035 comes from this gene; cDNA EST EMBL:D27034 comes from this gene; cDNA EST EMBL:D27037 comes from thi'

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6460	Strand	-
Start	1411	End	4266
Name	OJ990822_47.0103.C5.o3.gp	Method	AAT/GAP
Start	3260	End	3770
GI	4715652	Score	881
Exons	3260..3682, 3731..3770		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6461	Strand	-
Start	7477	End	8664
Name	OJ990822_47.0103.C5.o2.gs	Method	GENSCAN
Start	7477	End	8664

GI	none	Score	.88
Exons	7477..8404, 8606..8664		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6462	Strand	-
Start	9415	End	11945
Name	OJ990822_47.0103.C5.o3.gs	Method	GENSCAN
Start	9415	End	11945
GI	none	Score	.83
Exons	9415..10142, 10728..11124, 11201..11422, 11577..11631, 11839..11945		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	1041	End	3023
GI	none	Score	120
Exons	1041..1082, 1084..1272, 1085..1276, 1086..1346, 1087..1278, 1417..1503, 1578..1706, 1591..1704, 1706..1801, 1707..1787, 1773..1994, 1774..1992, 2810..3022, 2820..3023		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	1775	End	3053
GI	none	Score	126
Exons	1775..1993, 1792..2001, 1795..1992, 1797..1994, 2810..3052, 2820..3053		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	2957	End	3237
GI	none	Score	190
Exons	2957..3058, 2958..3134, 2965..3237, 3095..3220, 3169..3237, 3178..3237, 3178..3237		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o12.tm	Method	TBLASTX:Maize
Start	3023	End	3457
GI	none	Score	102
Exons	3023..3178, 3024..3164, 3034..3237, 3085..3231, 3270..3377, 3270..3356, 3284..3367, 3372..3413, 3392..3457		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o11.tm	Method	TBLASTX:Maize
Start	7459	End	9660
GI	none	Score	172
Exons	7459..7722, 7462..7704, 9412..9660, 9413..9565		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	11074	End	11474
GI	none	Score	79
Exons	11074..11169, 11098..11172, 11099..11191, 11171..11326, 11172..11258, 11174..11293, 11321..11470, 11322..11474		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o7.ts	Method	TBLASTX:Soybean
Start	11101	End	11293
GI	none	Score	66
Exons	11101..11169, 11101..11172, 11102..11191, 11171..11293, 11172..11213, 11174..11293		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	11171	End	20871
GI	none	Score	85
Exons	11171..11293, 11171..11326, 11321..11470, 11322..11471, 11414..11473, 20809..20871		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	20251	End	20869
GI	none	Score	117
Exons	20251..20319, 20444..20611, 20445..20654, 20717..20866, 20718..20867, 20783..20869		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o6.ts	Method	TBLASTX:Soybean
Start	20251	End	20861
GI	none	Score	83
Exons	20251..20325, 20444..20647, 20445..20615, 20679..20861, 20726..20860		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	20445	End	24153
GI	none	Score	183
Exons	20445..20615, 20690..20866, 20763..20870, 21021..21170, 21021..21110, 21023..21130, 22203..22289, 22329..22472, 22348..22473, 22547..22639, 22585..22686, 22645..22758, 22646..22759, 22824..22943, 22836..22943, 22837..22944, 23058..23249, 23060..23272, 23060..23248, 23358..23528, 23366..23524, 23369..23533, 23370..23528, 23593..23874,		

23594..23845, 23610..23873, 23959..24153, 23964..24128

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o10.tm	Method	TBLASTX:Maize
Start	21192	End	22116
GI	none	Score	99
Exons	21192..21266, 21200..21265, 21355..21438, 21356..21439, 21555..21629, 21555..21626, 21720..21851, 21749..21850, 21760..21852, 22003..22116, 22007..22114		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	22203	End	23249
GI	none	Score	80
Exons	22203..22286, 22344..22475, 22375..22479, 22582..22632, 22586..22759, 22645..22704, 22708..22755, 22836..22943, 22840..22944, 23070..23249, 23076..23249		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o8.tm	Method	TBLASTX:Maize
Start	22374	End	22759
GI	none	Score	160
Exons	22374..22475, 22375..22479, 22597..22758, 22598..22759, 22598..22759		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	22836	End	24138
GI	none	Score	87
Exons	22836..22943, 22839..22943, 22840..22944, 23088..23249, 23163..23249, 23394..23528, 23396..23524, 23593..23874, 23593..23868, 23610..23873, 23956..24138, 23964..24134		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	23362	End	24029
GI	none	Score	64
Exons	23362..23484, 23370..23528, 23372..23524, 23591..23872, 23593..23874, 23610..23873, 23611..23874, 23955..24029, 23959..24027		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	23775	End	24138
GI	none	Score	114

Exons	23775..23873, 23776..23874, 23956..24138, 23964..24131		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	24641	End	24927
GI	none	Score	408
Exons	24641..24901, 24642..24914, 24643..24927, 24643..24915		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o7.tm	Method	TBLASTX:Maize
Start	24943	End	26077
GI	none	Score	63
Exons	24943..25011, 24953..25078, 24978..25079, 25675..25728, 25675..25737, 25685..25741, 25712..25846, 25734..25865, 25738..25854, 25822..25869, 25831..25998, 25837..25998, 25851..26003, 25874..26002, 25991..26044, 26042..26077		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o4.tw	Method	TBLASTX:Wheat
Start	25830	End	26077
GI	none	Score	37
Exons	25830..25994, 25838..25861, 25845..25994, 25846..25998, 25846..25995, 25874..25996, 25993..26073, 25994..26077		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o3.np	Method	AAT/NAP
Start	28077	End	32400
GI	6063557	Score	196
Exons	28077..28194, 28446..28620, 32203..32400		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o9.tm	Method	TBLASTX:Maize
Start	30637	End	30936
GI	none	Score	280
Exons	30637..30816, 30711..30821, 30861..30932, 30907..30936		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	30642	End	31044
GI	none	Score	213
Exons	30642..30809, 30643..30816, 30898..31038, 30907..31044, 30909..31043		
Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5

Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	30643	End	31577
GI	none	Score	179
Exons	30643..30816, 30729..30821, 30907..31095, 30909..31118, 31190..31411, 31229..31408, 31515..31577, 31517..31576		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	30937	End	32098
GI	none	Score	249
Exons	30937..31095, 30937..31095, 30939..31133, 31190..31411, 31193..31411, 31512..31610, 31514..31621, 31514..31624, 31515..31625, 31693..31827, 31700..31831, 31717..31836, 31913..32095, 31926..32096, 31928..32098, 31930..32097		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	31517	End	32070
GI	none	Score	187
Exons	31517..31624, 31518..31625, 31679..31804, 31693..31827, 31707..31805, 31710..31829, 31895..32068, 31928..32068, 31936..32070		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o5.ts	Method	TBLASTX:Soybean
Start	31577	End	32020
GI	none	Score	79
Exons	31577..31624, 31578..31625, 31679..31732, 31693..31827, 31707..31805, 31710..31841, 31928..32020, 31930..32007		

Seq. No.	3042	Seq. ID	OJ990822_47.0103.C5
Gene No.	6463	Strand	-
Start	28077	End	32400
Name	OJ990822_47.0103.C5.o3.tc	Method	TBLASTX:Cress
Start	31583	End	32046
GI	none	Score	69
Exons	31583..31624, 31584..31625, 31693..31827, 31707..31799, 31719..31841, 31910..32023, 31928..32044, 31930..32046, 31930..32043		

Seq. No.	3043	Seq. ID	OJ990822_47.0103.C6
Gene No.	6464	Strand	-
Start	1	End	281
Name	OJ990822_47.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	281
GI	2498930	Score	108
Exons	1..45, 213..281		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3043	Seq. ID	OJ990822_47.0103.C6
Gene No.	6465	Strand	-
Start	213	End	272
Name	OJ990822_47.0103.C6.o1.gs	Method	GENSCAN
Start	213	End	272
GI	none	Score	.98
Exons	213..272		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6466	Strand	+
Start	3278	End	5519
Name	OJ990822_47.0103.C7.o1.np	Method	AAT/NAP
Start	3278	End	5519
GI	5107808	Score	77
Exons	3278..3298, 5373..5519		
GI Descrip.	(AF149413) contains similarity to SCP-like extracellular proteins; Pfam PF00188, Score=196.7, E=3.7e-55, N=1 [Arabidopsis thaliana]		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6467	Strand	+
Start	6290	End	6626
Name	OJ990822_47.0103.C7.o1.gp	Method	AAT/GAP
Start	6290	End	6626
GI	none	Score	533
Exons	6290..6626		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6468	Strand	+
Start	6688	End	7440
Name	OJ990822_47.0103.C7.o2.gp	Method	AAT/GAP
Start	6688	End	7440
GI	LIB3431-041-P1-N1-G6	Score	646
Exons	6688..6774, 7173..7440		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	5324	End	5494
GI	none	Score	189
Exons	5324..5494, 5325..5486		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	6350	End	6774
GI	none	Score	34
Exons	6350..6388, 6464..6496, 6490..6522, 6491..6523, 6509..6535, 6607..6645, 6611..6772, 6619..6774, 6620..6772, 6733..6774		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-

Start	8720	End	15508
Name	OJ990822_47.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	6629	End	6777
GI	none	Score	186
Exons	6629..6775, 6631..6777		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o2.gs	Method	GENSCAN
Start	8720	End	15508
GI	none	Score	.6
Exons	8720..8882, 9312..9495, 9646..9848, 9853..9900, 9964..10095, 10342..10439, 10466..10591, 10684..10942, 11019..11317, 11407..11817, 11902..12238, 12344..12494, 12880..14667, 14692..15508		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o2.np	Method	AAT/NAP
Start	9614	End	15055
GI	5441880	Score	4841
Exons	9614..9848, 9964..10095, 10342..10439, 10684..10942, 11019..11317, 11902..12238, 12344..12494, 13000..13315, 13574..13605, 14050..15055		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o4.gp	Method	AAT/GAP
Start	10692	End	11191
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	10692..10942, 11019..11191		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	13820	End	14200
GI	none	Score	79
Exons	13820..13996, 13850..13996, 13881..14000, 13994..14191, 14006..14200		

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	13898	End	14494
GI	none	Score	151
Exons	13898..13969, 14033..14332, 14094..14315, 14366..14494,		

14388..14486

Seq. No.	3044	Seq. ID	OJ990822_47.0103.C7
Gene No.	6469	Strand	-
Start	8720	End	15508
Name	OJ990822_47.0103.C7.o5.gp	Method	AAT/GAP
Start	14020	End	14451
GI	5701669	Score	853
Exons	14020..14451		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6470	Strand	+
Start	444	End	4442
Name	OJ990822_47.0103.C8.o1.gp	Method	AAT/GAP
Start	444	End	1432
GI	59306_1.R1084	Score	875
Exons	444..556, 1050..1432		
GI Descrip.	'5706504/emb|CAB52266.1| 1.0e-21 (AL109739) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6470	Strand	+
Start	444	End	4442
Name	OJ990822_47.0103.C8.o1.gs	Method	GENSCAN
Start	557	End	4442
GI	none	Score	.48
Exons	557..688, 1050..1166, 2581..2646, 4372..4442		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6470	Strand	+
Start	444	End	4442
Name	OJ990822_47.0103.C8.o1.np	Method	AAT/NAP
Start	1058	End	1312
GI	6624908	Score	324
Exons	1058..1312		
GI Descrip.	(AJ251510) putative APC11 anaphase-promoting complex subunit [Drosophila melanogaster]		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6471	Strand	+
Start	5516	End	6454
Name	OJ990822_47.0103.C8.o2.gp	Method	AAT/GAP
Start	5516	End	6099
GI	none	Score	1144
Exons	5516..6099		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6471	Strand	+
Start	5516	End	6454
Name	OJ990822_47.0103.C8.o2.gs	Method	GENSCAN
Start	5759	End	6403
GI	none	Score	1
Exons	5759..6403		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6471	Strand	+
Start	5516	End	6454
Name	OJ990822_47.0103.C8.o3.gp	Method	AAT/GAP
Start	6132	End	6454
GI	5003790	Score	630
Exons	6132..6454		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6472	Strand	+
Start	12205	End	16512
Name	OJ990822_47.0103.C8.o4.gs	Method	GENSCAN
Start	12205	End	16469
GI	none	Score	.7
Exons	12205..12302, 12350..12415, 12560..12711, 12800..12858, 12960..13324, 13358..14735, 15516..15660, 15751..16469		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6472	Strand	+
Start	12205	End	16512
Name	OJ990822_47.0103.C8.o2.np	Method	AAT/NAP
Start	12614	End	16442
GI	6714388	Score	524
Exons	12614..12715, 12786..12858, 12960..13774, 13838..14369, 14427..14650, 14801..14891, 15840..16043, 16074..16442		
GI Descrip.	(AC012393) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6472	Strand	+
Start	12205	End	16512
Name	OJ990822_47.0103.C8.o3.np	Method	AAT/NAP
Start	12614	End	16512
GI	2191167	Score	517
Exons	12614..13631, 13689..14368, 14427..14718, 15562..15669, 15823..16512		
GI Descrip.	(AF007270) A_IG002P16.18 gene product [Arabidopsis thaliana]		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6473	Strand	+
Start	19290	End	22886
Name	OJ990822_47.0103.C8.o5.gs	Method	GENSCAN
Start	19290	End	22886
GI	none	Score	.64
Exons	19290..19429, 20269..21291, 21774..22068, 22239..22287, 22852..22886		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6473	Strand	+
Start	19290	End	22886
Name	OJ990822_47.0103.C8.o4.np	Method	AAT/NAP
Start	20195	End	21284
GI	5306255	Score	168
Exons	20195..20669, 20733..20881, 20967..21284		
GI Descrip.	(AC006438) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6473	Strand	+

Start	19290	End	22886
Name	OJ990822_47.0103.C8.o5.gp	Method	AAT/GAP
Start	20328	End	20641
GI	5003757	Score	549
Exons	20328..20641		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6473	Strand	+
Start	19290	End	22886
Name	OJ990822_47.0103.C8.o6.gp	Method	AAT/GAP
Start	20702	End	21117
GI	2311234	Score	769
Exons	20702..21117		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6474	Strand	+
Start	25584	End	29977
Name	OJ990822_47.0103.C8.o7.gs	Method	GENSCAN
Start	25584	End	29977
GI	none	Score	.64
Exons	25584..26132, 26383..26458, 26464..26695, 27017..27166, 27531..27651, 28330..28498, 28692..29224, 29581..29977		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6474	Strand	+
Start	25584	End	29977
Name	OJ990822_47.0103.C8.o7.gp	Method	AAT/GAP
Start	27640	End	28096
GI	4968598	Score	754
Exons	27640..28096		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6474	Strand	+
Start	25584	End	29977
Name	OJ990822_47.0103.C8.o5.np	Method	AAT/NAP
Start	28271	End	28580
GI	6539588	Score	151
Exons	28271..28580		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6475	Strand	-
Start	16143	End	16613
Name	OJ990822_47.0103.C8.o4.gp	Method	AAT/GAP
Start	16143	End	16613
GI	none	Score	866
Exons	16143..16613		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	1029	End	1329
GI	none	Score	115
Exons	1029..1301, 1048..1308, 1049..1312, 1198..1329		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8

Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	1044	End	1312
GI	none	Score	109
Exons	1044..1289, 1045..1143, 1047..1310, 1048..1311, 1049..1312, 1049..1312		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	5818	End	6154
GI	none	Score	223
Exons	5818..5877, 5972..6115, 5983..6066, 6095..6154		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	6281	End	6405
GI	none	Score	183
Exons	6281..6397, 6281..6328, 6313..6405, 6313..6372		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o6.tm	Method	TBLASTX:Maize
Start	13686	End	13955
GI	none	Score	41
Exons	13686..13715, 13688..13717, 13702..13857, 13716..13850, 13883..13954, 13902..13955		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	14009	End	14403
GI	none	Score	552
Exons	14009..14395, 14010..14396, 14011..14403		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o5.tm	Method	TBLASTX:Maize
Start	15518	End	15943
GI	none	Score	106
Exons	15518..15607, 15518..15661, 15520..15609, 15607..15663, 15749..15889, 15750..15839, 15763..15879, 15865..15939, 15866..15943		

Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	16220	End	16446
GI	none	Score	148

Exons	16220..16441, 16221..16445, 16233..16445, 16246..16446		
Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	21116	End	21268
GI	none	Score	187
Exons	21116..21268		
Seq. No.	3045	Seq. ID	OJ990822_47.0103.C8
Gene No.	6476	Strand	-
Start	23651	End	25250
Name	OJ990822_47.0103.C8.o6.gs	Method	GENSCAN
Start	23651	End	25250
GI	none	Score	.58
Exons	23651..23793, 23861..23885, 23982..24005, 24551..24648, 24950..25250		
Seq. No.	3046	Seq. ID	OJ990822_40.0128.C1
Gene No.	6477	Strand	+
Start	126	End	652
Name	OJ990822_40.0128.C1.o1.gs	Method	GENSCAN
Start	126	End	652
GI	none	Score	.55
Exons	126..652		
Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6478	Strand	+
Start	1	End	3017
Name	OJ990822_40.0128.C2.o1.np	Method	AAT/NAP
Start	1	End	3017
GI	3176715	Score	1426
Exons	1..1992, 2887..3017		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6478	Strand	+
Start	1	End	3017
Name	OJ990822_40.0128.C2.o1.gs	Method	GENSCAN
Start	186	End	2015
GI	none	Score	.46
Exons	186..2015		
Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6479	Strand	+
Start	7166	End	8773
Name	OJ990822_40.0128.C2.o3.gs	Method	GENSCAN
Start	7166	End	8773
GI	none	Score	.99
Exons	7166..7186, 8231..8773		
Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6480	Strand	+
Start	9866	End	17104
Name	OJ990822_40.0128.C2.o4.gs	Method	GENSCAN

Start	9866	End	17104
GI	none	Score	.81
Exons	9866..9985, 12532..15087, 15230..16046, 16314..17104		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6480	Strand	+
Start	9866	End	17104
Name	OJ990822_40.0128.C2.o2.np	Method	AAT/NAP
Start	12529	End	17101
GI	4680179	Score	6553
Exons	12529..17101		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6481	Strand	-
Start	1248	End	1659
Name	OJ990822_40.0128.C2.o1.gp	Method	AAT/GAP
Start	1248	End	1659
GI	uC-osflcyp017c11b1	Score	812
Exons	1248..1659		
GI Descrip.	'3445397/emb|CAA09029.1| 3.0e-55 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6482	Strand	-
Start	2245	End	2979
Name	OJ990822_40.0128.C2.o2.gp	Method	AAT/GAP
Start	2245	End	2881
GI	uC-osflcyp024b07b1	Score	575
Exons	2245..2363, 2454..2560, 2759..2881		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6482	Strand	-
Start	2245	End	2979
Name	OJ990822_40.0128.C2.o3.gp	Method	AAT/GAP
Start	2443	End	2979
GI	uC-osflcyp024b07b1	Score	518
Exons	2443..2560, 2759..2979		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o1.tc	Method	TBLASTX:Cress
Start	147	End	1991
GI	none	Score	37
Exons	147..206, 258..350, 399..494, 498..635, 747..806, 1095..1196, 1118..1177, 1179..1721, 1190..1354, 1275..1376, 1424..1579, 1731..1991		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o5.ts	Method	TBLASTX:Soybean

Start	327	End	653
GI	none	Score	124
Exons	327..455, 492..653, 494..646		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o8.tw	Method	TBLASTX:Wheat
Start	498	End	845
GI	none	Score	208
Exons	498..671, 506..673, 656..841, 659..805, 681..845		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o4.tm	Method	TBLASTX:Maize
Start	1083	End	1388
GI	none	Score	155
Exons	1083..1208, 1091..1207, 1191..1388, 1193..1381		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o1.ts	Method	TBLASTX:Soybean
Start	1086	End	1532
GI	none	Score	358
Exons	1086..1397, 1088..1390, 1380..1532, 1386..1511, 1394..1525		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o7.tw	Method	TBLASTX:Wheat
Start	1251	End	1664
GI	none	Score	110
Exons	1251..1403, 1398..1577, 1401..1565, 1424..1567, 1602..1664, 1625..1663		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	1394	End	1994
GI	none	Score	84
Exons	1394..1579, 1396..1770, 1398..1994, 1622..1993		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o4.ts	Method	TBLASTX:Soybean
Start	1587	End	1976
GI	none	Score	168
Exons	1587..1721, 1619..1741, 1796..1972, 1833..1976		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o9.tw	Method	TBLASTX:Wheat

Start	12798	End	13161
GI	none	Score	290
Exons	12798..12902, 12802..13161, 12927..13160		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o10.tm	Method	TBLASTX:Maize
Start	13042	End	13338
GI	none	Score	191
Exons	13042..13338, 13059..13229		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o9.tm	Method	TBLASTX:Maize
Start	13729	End	14004
GI	none	Score	202
Exons	13729..14004		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o10.tw	Method	TBLASTX:Wheat
Start	13737	End	14091
GI	none	Score	268
Exons	13737..13832, 13738..14091, 13921..14052		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o4.tw	Method	TBLASTX:Wheat
Start	14262	End	14748
GI	none	Score	541
Exons	14262..14705, 14266..14748		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o5.tm	Method	TBLASTX:Maize
Start	14331	End	14802
GI	none	Score	380
Exons	14331..14576, 14335..14802, 14422..14769		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o7.ts	Method	TBLASTX:Soybean
Start	14335	End	14619
GI	none	Score	188
Exons	14335..14619, 14418..14618		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o2.ts	Method	TBLASTX:Soybean
Start	14689	End	15063

GI	none	Score	57
Exons	14689..14721, 14689..14721, 14725..15063, 14728..14802, 14732..14866, 14820..15059		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o6.tw	Method	TBLASTX:Wheat
Start	14797	End	15096
GI	none	Score	342
Exons	14797..15063, 14797..15054, 14982..15059, 15058..15096		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o7.tm	Method	TBLASTX:Maize
Start	14818	End	15169
GI	none	Score	225
Exons	14818..15063, 14829..15056, 15080..15169		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o2.tw	Method	TBLASTX:Wheat
Start	15098	End	15607
GI	none	Score	631
Exons	15098..15607, 15130..15516		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o6.ts	Method	TBLASTX:Soybean
Start	15107	End	15349
GI	none	Score	197
Exons	15107..15349		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o3.tm	Method	TBLASTX:Maize
Start	15170	End	15523
GI	none	Score	473
Exons	15170..15523, 15172..15438, 15212..15508		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o3.tw	Method	TBLASTX:Wheat
Start	15611	End	16090
GI	none	Score	571
Exons	15611..16090, 15629..16084, 15706..16089		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o2.tc	Method	TBLASTX:Cress
Start	15788	End	16114

GI	none	Score	90
Exons	15788..15970, 15971..16114, 15973..16113		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o3.ts	Method	TBLASTX:Soybean
Start	15878	End	16138
GI	none	Score	289
Exons	15878..16138, 15883..16137		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o6.tm	Method	TBLASTX:Maize
Start	15937	End	16228
GI	none	Score	376
Exons	15937..16224, 15938..16228		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	16097	End	16723
GI	none	Score	706
Exons	16097..16723, 16153..16722		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	16277	End	16864
GI	none	Score	226
Exons	16277..16438, 16285..16431, 16436..16864, 16438..16863		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o5.tw	Method	TBLASTX:Wheat
Start	16723	End	17056
GI	none	Score	359
Exons	16723..16992, 16724..17056		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o8.tm	Method	TBLASTX:Maize
Start	16864	End	17111
GI	none	Score	201
Exons	16864..16986, 16865..17077, 17079..17111, 17079..17111		

Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o3.np	Method	AAT/NAP
Start	17374	End	17605
GI	5295955	Score	156

Exons	17374..17605		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	3047	Seq. ID	OJ990822_40.0128.C2
Gene No.	6483	Strand	-
Start	17506	End	17745
Name	OJ990822_40.0128.C2.o5.gs	Method	GENSCAN
Start	17506	End	17745
GI	none	Score	.92
Exons	17506..17745		
Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6484	Strand	+
Start	1604	End	3178
Name	OJ990822_40.0128.C3.o1.np	Method	AAT/NAP
Start	1466	End	3178
GI	3445397	Score	1398
Exons	1466..3178		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		
Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6484	Strand	+
Start	1604	End	3178
Name	OJ990822_40.0128.C3.o2.gs	Method	GENSCAN
Start	1604	End	3122
GI	none	Score	.45
Exons	1604..3122		
Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6485	Strand	-
Start	83	End	900
Name	OJ990822_40.0128.C3.o1.gs	Method	GENSCAN
Start	83	End	900
GI	none	Score	.47
Exons	83..220, 320..365, 671..900		
Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o1.tc	Method	TBLASTX:Cress
Start	1463	End	3178
GI	none	Score	45
Exons	1463..1507, 1529..1636, 1739..1930, 1976..2098, 2380..2469, 2489..3010, 2491..3039, 3047..3178		
Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o2.ts	Method	TBLASTX:Soybean
Start	1613	End	2014
GI	none	Score	74
Exons	1613..1750, 1754..2014, 1777..2013		
Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178

Name	OJ990822_40.0128.C3.o1.tw	Method	TBLASTX:Wheat
Start	1741	End	2140
GI	none	Score	112
Exons	1741..2139, 1753..1938, 1754..2140		

Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o1.ts	Method	TBLASTX:Soybean
Start	2257	End	2821
GI	none	Score	36
Exons	2257..2274, 2378..2491, 2380..2490, 2477..2671, 2485..2658, 2669..2821, 2671..2811		

Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o2.tm	Method	TBLASTX:Maize
Start	2372	End	2681
GI	none	Score	136
Exons	2372..2488, 2374..2496, 2437..2670, 2438..2680, 2520..2681		

Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o2.tw	Method	TBLASTX:Wheat
Start	2539	End	2953
GI	none	Score	119
Exons	2539..2694, 2540..2692, 2671..2853, 2684..2890, 2891..2953		

Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	2683	End	3178
GI	none	Score	429
Exons	2683..3009, 2687..3010, 2687..3010, 3050..3178, 3052..3177		

Seq. No.	3048	Seq. ID	OJ990822_40.0128.C3
Gene No.	6486	Strand	
Start	1463	End	3178
Name	OJ990822_40.0128.C3.o3.ts	Method	TBLASTX:Soybean
Start	2831	End	3025
GI	none	Score	206
Exons	2831..3016, 2833..2925, 2909..3025		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6487	Strand	+
Start	1223	End	2922
Name	OJ990822_40.0128.C4.o1.gs	Method	GENSCAN
Start	1223	End	2922
GI	none	Score	.5
Exons	1223..1290, 2102..2374, 2802..2922		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6488	Strand	+
Start	4993	End	7410

Name	OJ990822_40.0128.C4.o3.gs	Method	GENSCAN
Start	4993	End	7410
GI	none	Score	1
Exons	4993..7410		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6489	Strand	+
Start	9091	End	11581
Name	OJ990822_40.0128.C4.o4.gs	Method	GENSCAN
Start	9091	End	11581
GI	none	Score	.87
Exons	9091..9602, 10760..10859, 11438..11581		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6490	Strand	+
Start	12311	End	18423
Name	OJ990822_40.0128.C4.o5.gs	Method	GENSCAN
Start	12311	End	15000
GI	none	Score	.41
Exons	12311..12473, 12510..14547, 14755..14798, 14933..15000		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6490	Strand	+
Start	12311	End	18423
Name	OJ990822_40.0128.C4.o1.np	Method	AAT/NAP
Start	12320	End	15232
GI	3445397	Score	1964
Exons	12320..14701, 15122..15232		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6490	Strand	+
Start	12311	End	18423
Name	OJ990822_40.0128.C4.o2.np	Method	AAT/NAP
Start	13805	End	18423
GI	4982518	Score	522
Exons	13805..13834, 15333..16649, 18402..18423		
GI Descrip.	(AC000107) F17F8.24 [Arabidopsis thaliana]		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6491	Strand	+
Start	21609	End	26244
Name	OJ990822_40.0128.C4.o3.np	Method	AAT/NAP
Start	21609	End	26244
GI	3445397	Score	1864
Exons	21609..23157, 24254..25082, 26140..26244		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6492	Strand	-
Start	1619	End	2139
Name	OJ990822_40.0128.C4.o1.gp	Method	AAT/GAP
Start	1619	End	2139
GI	2275885	Score	883
Exons	1619..2139		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4

Gene No.	6493	Strand	-
Start	4166	End	4741
Name	OJ990822_40.0128.C4.o2.gs	Method	GENSCAN
Start	4166	End	4741
GI	none	Score	.86
Exons	4166..4380, 4600..4741		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6494	Strand	-
Start	17738	End	18136
Name	OJ990822_40.0128.C4.o6.gs	Method	GENSCAN
Start	17738	End	18136
GI	none	Score	.87
Exons	17738..18136		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	1336	End	25070
GI	none	Score	73
Exons	1336..1452, 5185..5316, 5445..5531, 5446..5496, 5614..5721, 5622..5687, 5818..6009, 6040..6177, 6451..6576, 6489..6575, 6568..7089, 6568..6747, 6570..7118, 7125..7313, 7126..7362, 7249..7341, 12479..12628, 12755..12799, 12944..13042, 13115..13330, 13355..13498, 13790..13909, 13813..13908, 13885..14010, 13886..14452, 13895..14107, 14044..14451, 14515..14688, 21783..21914, 22043..22129, 22044..22094, 22128..22193, 22206..22313, 22222..22284, 22413..22607, 22653..22775, 24255..24788, 24267..24434, 24269..24817, 24824..25012, 24825..25070, 24948..25040		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	1612	End	22574
GI	none	Score	101
Exons	1612..1728, 5448..5567, 5449..5577, 5644..5754, 5815..5976, 12761..12889, 12965..13297, 22046..22165, 22047..22166, 22241..22282, 22242..22349, 22416..22574		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o6.tm	Method	TBLASTX:Maize
Start	5824	End	22781
GI	none	Score	75
Exons	5824..5940, 5932..6039, 6136..6183, 13145..13261, 13253..13363, 13379..13504, 13514..13576, 22422..22538, 22530..22649, 22656..22781		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	5833	End	22818

GI	none	Score	399
Exons	5833..6219, 5833..6219, 13153..13542, 13154..13540, 22418..22816, 22431..22817, 22480..22818		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	6336	End	24599
GI	none	Score	35
Exons	6336..6353, 6457..6570, 6460..6564, 6462..6569, 6559..6750, 6564..6737, 6568..6759, 6748..6900, 6750..6893, 13772..14086, 13786..14064, 14089..14214, 14090..14227, 23059..23154, 24258..24449, 24263..24436, 24452..24592, 24465..24599		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o4.tm	Method	TBLASTX:Maize
Start	6451	End	24459
GI	none	Score	147
Exons	6451..6576, 6453..6575, 6516..6749, 6517..6759, 6568..6750, 6599..6760, 13777..13902, 13778..13903, 13895..14077, 13897..14076, 23050..23145, 24245..24448, 24246..24458, 24268..24459		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	6618	End	24731
GI	none	Score	120
Exons	6618..6773, 6619..6771, 6750..6932, 6763..6969, 6769..6933, 6970..7032, 6975..7031, 13946..14077, 14087..14296, 14119..14262, 14297..14359, 24317..24472, 24318..24470, 24455..24631, 24462..24668, 24669..24731		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	6762	End	25061
GI	none	Score	425
Exons	6762..7088, 6766..7092, 7129..7353, 7131..7313, 14089..14415, 14090..14419, 14411..14551, 14422..14538, 14545..14691, 14577..14669, 24461..24787, 24465..24887, 24828..25061, 24830..25012		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	6954	End	25046
GI	none	Score	169
Exons	6954..7091, 6955..7089, 7204..7347, 14275..14418, 14282..14416, 14298..14423, 14358..14429, 14506..14706, 24653..24703, 24654..24788, 24723..24788, 24872..25012, 24897..25046		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	15351	End	16313
GI	none	Score	785
Exons	15351..16313, 15366..15506, 15374..15631, 15707..15769, 15836..15973		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o4.tw	Method	TBLASTX:Wheat
Start	15405	End	15713
GI	none	Score	310
Exons	15405..15713, 15425..15619, 15451..15636		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o6.tw	Method	TBLASTX:Wheat
Start	15714	End	16061
GI	none	Score	94
Exons	15714..15827, 15716..15832, 15836..16000, 15837..15989, 15981..16061		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o4.ts	Method	TBLASTX:Soybean
Start	15918	End	16403
GI	none	Score	188
Exons	15918..16271, 16260..16403		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o5.tw	Method	TBLASTX:Wheat
Start	16068	End	16632
GI	none	Score	235
Exons	16068..16403, 16277..16402, 16534..16632		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	16530	End	17001
GI	none	Score	330
Exons	16530..16679, 16531..16902, 16740..16892, 16909..17001		

Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o3.tw	Method	TBLASTX:Wheat
Start	16729	End	17096
GI	none	Score	336

Exons	16729..17094, 16729..16890, 16835..17095, 16839..17096		
Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o5.tm	Method	TBLASTX:Maize
Start	17172	End	17466
GI	none	Score	295
Exons	17172..17279, 17176..17466, 17218..17373, 17307..17447		
Seq. No.	3049	Seq. ID	OJ990822_40.0128.C4
Gene No.	6495	Strand	-
Start	26900	End	27594
Name	OJ990822_40.0128.C4.o2.gp	Method	AAT/GAP
Start	26900	End	27594
GI	2280879	Score	809
Exons	26900..27262, 27421..27480, 27559..27594		
Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6496	Strand	+
Start	748	End	3165
Name	OJ990822_40.0128.C6.o1.gs	Method	GENSCAN
Start	748	End	3165
GI	none	Score	.52
Exons	748..870, 2329..2659, 2957..3165		
Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6497	Strand	+
Start	3902	End	6328
Name	OJ990822_40.0128.C6.o2.gs	Method	GENSCAN
Start	3902	End	6328
GI	none	Score	.96
Exons	3902..6328		
Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6497	Strand	+
Start	3902	End	6328
Name	OJ990822_40.0128.C6.o1.np	Method	AAT/NAP
Start	3914	End	6298
GI	3445397	Score	1866
Exons	3914..6298		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		
Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	3977	End	4306
GI	none	Score	74
Exons	3977..4090, 4067..4231, 4102..4305, 4241..4306		
Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	4088	End	6289
GI	none	Score	83

Exons 4088..4219, 4348..4428, 4349..4399, 4433..4489, 4511..4621, 4525..4590, 4718..4822, 4847..4924, 4955..5104, 5369..5494, 5377..5493, 5474..6007, 5486..5653, 5488..6036, 6044..6289

Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	4351	End	4891
GI	none	Score	112

Exons 4351..4470, 4352..4471, 4514..4660, 4546..4620, 4721..4831, 4838..4891

Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	4735	End	5134
GI	none	Score	80

Exons 4735..4830, 4736..4831, 4832..5134, 4840..5004, 4850..5125, 5050..5133

Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	5369	End	5678
GI	none	Score	142

Exons 5369..5494, 5371..5493, 5434..5667, 5435..5677, 5487..5678

Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	5372	End	6247
GI	none	Score	69

Exons 5372..5488, 5510..5680, 5552..5653, 5566..5679, 5675..6016, 5675..5809, 5779..6015, 6083..6247

Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	5536	End	5950
GI	none	Score	119

Exons 5536..5691, 5537..5689, 5674..5850, 5681..5887, 5888..5950, 5893..5949

Seq. No.	3050	Seq. ID	OJ990822_40.0128.C6
Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	5680	End	6280
GI	none	Score	430

Exons 5680..6006, 5684..6010, 6047..6280, 6049..6231

Seq. No. 3050 Seq. ID OJ990822_40.0128.C6

Gene No.	6498	Strand	-
Start	6870	End	9274
Name	OJ990822_40.0128.C6.o3.gs	Method	GENSCAN
Start	6870	End	9274
GI	none	Score	.55
Exons	6870..6878, 6906..7036, 9070..9274		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6499	Strand	+
Start	1	End	23228
Name	OJ990822_40.0128.C7.o3.np	Method	AAT/NAP
Start	1	End	14304
GI	119714	Score	251
Exons	1..28, 2048..2097, 9224..9434, 9497..9697, 12925..13130, 13795..13836, 13995..14304		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6499	Strand	+
Start	1	End	23228
Name	OJ990822_40.0128.C7.o2.gs	Method	GENSCAN
Start	13543	End	23228
GI	none	Score	.81
Exons	13543..13589, 13616..14306, 15070..15215, 15607..15649, 16015..16200, 16295..16453, 17522..17626, 18056..18193, 18312..18494, 18765..18920, 19018..19141, 19223..19433, 20213..20455, 20620..20713, 21600..21677, 22018..22074, 22224..22373, 22488..22694, 22986..23228		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6499	Strand	+
Start	1	End	23228
Name	OJ990822_40.0128.C7.o4.np	Method	AAT/NAP
Start	13890	End	18386
GI	6143899	Score	1096
Exons	13890..14306, 15070..15215, 15607..15704, 15781..15975, 16073..16200, 16295..16453, 17888..17962, 18056..18191, 18322..18386		
GI Descrip.	(AC010718) unknown protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6499	Strand	+
Start	1	End	23228
Name	OJ990822_40.0128.C7.o1.gp	Method	AAT/GAP
Start	17523	End	18519
GI	none	Score	922
Exons	17523..17626, 17888..17962, 18056..18193, 18312..18519		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6499	Strand	+
Start	1	End	23228
Name	OJ990822_40.0128.C7.o2.gp	Method	AAT/GAP
Start	20361	End	20713
GI	none	Score	302

Exons	20361..20455, 20620..20713		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6500	Strand	+
Start	24632	End	24995
Name	OJ990822_40.0128.C7.o3.gp	Method	AAT/GAP
Start	24632	End	24995
GI	none	Score	532
Exons	24632..24995		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6501	Strand	+
Start	26687	End	27110
Name	OJ990822_40.0128.C7.o4.gp	Method	AAT/GAP
Start	26687	End	27110
GI	none	Score	825
Exons	26687..27110		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	2087
GI	4467124	Score	661
Exons	1..39, 321..2087		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o1.gs	Method	GENSCAN
Start	15	End	10680
GI	none	Score	.85
Exons	15..2876, 3946..4605, 4766..4837, 5345..5530, 5597..5711, 6105..6259, 6908..6986, 9203..9393, 9536..9701, 9709..10195, 10620..10680		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o4.tm	Method	TBLASTX:Maize
Start	186	End	614
GI	none	Score	86
Exons	186..614, 417..584		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	861	End	1289
GI	none	Score	115
Exons	861..1097, 1116..1289		
Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o4.ts	Method	TBLASTX:Soybean

Start	912	End	1463
GI	none	Score	122
Exons	912..1094, 1140..1367, 1144..1461, 1389..1463		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o3.tm	Method	TBLASTX:Maize
Start	1131	End	1520
GI	none	Score	93
Exons	1131..1466, 1134..1520, 1144..1494		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o5.tc	Method	TBLASTX:Cress
Start	1218	End	1520
GI	none	Score	188
Exons	1218..1520		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	3504	End	6228
GI	none	Score	216
Exons	3504..3587, 3783..4022, 3783..4022, 3790..4023, 3790..4035, 3791..4036, 4027..4608, 4027..4608, 4028..4612, 4043..4612, 4757..4837, 4764..4808, 4765..4842, 4765..4827, 4766..4837, 5342..5530, 5343..5531, 5344..5529, 5345..5530, 5627..5713, 5627..5710, 5646..5714, 6099..6227, 6105..6182, 6109..6228, 6110..6226		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	3958	End	4413
GI	none	Score	39
Exons	3958..4002, 3962..4000, 4045..4413, 4049..4411, 4075..4413		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o1.tc	Method	TBLASTX:Cress
Start	4252	End	4613
GI	none	Score	335
Exons	4252..4608, 4268..4606, 4380..4613		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6502	Strand	-
Start	1	End	10680
Name	OJ990822_40.0128.C7.o5.ts	Method	TBLASTX:Soybean
Start	4414	End	5425
GI	none	Score	222
Exons	4414..4608, 4415..4606, 4757..4831, 4766..4831, 4770..4838, 5345..5425		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o3.tc	Method	TBLASTX:Cress
Start	15608	End	16200
GI	none	Score	55
Exons	15608..15655, 15779..15979, 15780..15980, 16072..16200, 16072..16131, 16113..16199		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o2.ts	Method	TBLASTX:Soybean
Start	15911	End	19434
GI	none	Score	110
Exons	15911..15979, 15912..15980, 16072..16200, 16072..16200, 16291..16449, 16292..16459, 16292..16453, 17519..17629, 17885..17971, 17888..17962, 18041..18193, 18055..18168, 18363..18494, 18407..18490, 18792..18923, 18794..18922, 19015..19122, 19215..19421, 19216..19431, 19276..19434		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o5.tm	Method	TBLASTX:Maize
Start	17900	End	18137
GI	none	Score	114
Exons	17900..17962, 17900..17962, 18041..18136, 18051..18137		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o2.tc	Method	TBLASTX:Cress
Start	17901	End	19421
GI	none	Score	100
Exons	17901..17951, 17906..17962, 17909..17977, 18041..18181, 18052..18177, 18053..18181, 18324..18494, 18407..18490, 18792..18923, 19015..19146, 19015..19131, 19222..19419, 19248..19421		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	19069	End	23463
GI	none	Score	109
Exons	19069..19140, 19069..19161, 19215..19430, 19222..19431, 19222..19431, 19957..20052, 20015..20053, 20052..20132, 20053..20133, 20053..20133, 20205..20318, 20230..20319, 20231..20323, 20318..20458, 20325..20456, 20326..20469, 20609..20713, 20615..20713, 20622..20723, 21580..21657, 21581..21679, 21603..21677, 22015..22119, 22015..22074, 22017..22097, 22164..22193, 22211..22372, 22221..22373, 22221..22373, 22223..22387, 22476..22670, 22485..22508, 22486..22680, 22487..22669, 22643..22747, 22644..22712, 22933..22950, 22979..23110, 22989..23132, 22990..23133,		

22991..23074, 23085..23240, 23135..23239, 23156..23281,
23158..23292, 23244..23387, 23257..23388, 23305..23388,
23403..23462, 23404..23463

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o4.tc	Method	TBLASTX:Cress
Start	20071	End	22541
GI	none	Score	63
Exons	20071..20127, 20349..20444, 22015..22113, 22017..22109, 22018..22110, 22221..22373, 22221..22373, 22232..22387, 22476..22541, 22487..22534		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	21633	End	22535
GI	none	Score	71
Exons	21633..21677, 21635..21679, 22015..22119, 22017..22076, 22221..22373, 22221..22367, 22223..22387, 22476..22535, 22487..22534		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6503	Strand	
Start	15608	End	23463
Name	OJ990822_40.0128.C7.o3.ts	Method	TBLASTX:Soybean
Start	22212	End	22683
GI	none	Score	184
Exons	22212..22373, 22232..22387, 22476..22670, 22486..22683, 22487..22669		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6504	Strand	
Start	25217	End	26774
Name	OJ990822_40.0128.C7.o6.tm	Method	TBLASTX:Maize
Start	25217	End	26268
GI	none	Score	183
Exons	25217..25363, 25241..25363, 25248..25364, 25607..25732, 25607..25732, 26167..26268, 26169..26267		

Seq. No.	3051	Seq. ID	OJ990822_40.0128.C7
Gene No.	6504	Strand	
Start	25217	End	26774
Name	OJ990822_40.0128.C7.o6.ts	Method	TBLASTX:Soybean
Start	25271	End	26774
GI	none	Score	74
Exons	25271..25354, 25574..25732, 25606..25674, 25607..25753, 26167..26268, 26175..26255, 26182..26268, 26380..26427, 26694..26774		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6505	Strand	+
Start	139	End	610
Name	OJ990822_40.0128.C8.o1.gs	Method	GENSCAN
Start	139	End	610

GI	none	Score	.78
Exons	139..362, 382..610		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6506	Strand	+
Start	11590	End	12159
Name	OJ990822_40.0128.C8.o5.gs	Method	GENSCAN
Start	11590	End	12159
GI	none	Score	.41
Exons	11590..11758, 11795..12159		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6507	Strand	+
Start	13349	End	13864
Name	OJ990822_40.0128.C8.o6.gs	Method	GENSCAN
Start	13349	End	13864
GI	none	Score	.99
Exons	13349..13864		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6508	Strand	+
Start	18794	End	19221
Name	OJ990822_40.0128.C8.o4.np	Method	AAT/NAP
Start	18794	End	19221
GI	6715738	Score	94
Exons	18794..18939, 19162..19221		
GI Descrip.	(AC016447) MtN21-like protein [Arabidopsis thaliana]		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6509	Strand	-
Start	1861	End	2458
Name	OJ990822_40.0128.C8.o2.gs	Method	GENSCAN
Start	1861	End	2458
GI	none	Score	.75
Exons	1861..2063, 2248..2458		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6509	Strand	-
Start	1861	End	2458
Name	OJ990822_40.0128.C8.o1.np	Method	AAT/NAP
Start	1864	End	2416
GI	3860333	Score	184
Exons	1864..2063, 2248..2416		
GI Descrip.	(AJ012693) basic blue copper protein [Cicer arietinum]		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6510	Strand	-
Start	3617	End	6554
Name	OJ990822_40.0128.C8.o3.gs	Method	GENSCAN
Start	3617	End	6527
GI	none	Score	.43
Exons	3617..3794, 4241..4296, 5020..5452, 6382..6527		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6510	Strand	-
Start	3617	End	6554
Name	OJ990822_40.0128.C8.o2.np	Method	AAT/NAP

Start	3659	End	6554
GI	6069664	Score	683
Exons	3659..3794, 4241..4392, 5020..5452, 5875..5989, 6116..6180, 6382..6554		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6511	Strand	-
Start	9656	End	10786
Name	OJ990822_40.0128.C8.o3.np	Method	AAT/NAP
Start	9656	End	10786
GI	2586082	Score	894
Exons	9656..10786		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6512	Strand	-
Start	18656	End	19148
Name	OJ990822_40.0128.C8.o3.tm	Method	TBLASTX:Maize
Start	5147	End	5428
GI	none	Score	65
Exons	5147..5248, 5149..5250, 5341..5427, 5342..5428		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6512	Strand	-
Start	18656	End	19148
Name	OJ990822_40.0128.C8.o2.tw	Method	TBLASTX:Wheat
Start	9642	End	9857
GI	none	Score	49
Exons	9642..9722, 9653..9712, 9728..9856, 9786..9857		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6512	Strand	-
Start	18656	End	19148
Name	OJ990822_40.0128.C8.o2.tm	Method	TBLASTX:Maize
Start	9710	End	10261
GI	none	Score	83
Exons	9710..9838, 9830..9943, 10056..10082, 10148..10261		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6512	Strand	-
Start	18656	End	19148
Name	OJ990822_40.0128.C8.o1.tw	Method	TBLASTX:Wheat
Start	10115	End	10465
GI	none	Score	87
Exons	10115..10465, 10206..10415		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6512	Strand	-
Start	18656	End	19148
Name	OJ990822_40.0128.C8.o1.tm	Method	TBLASTX:Maize
Start	10262	End	10697
GI	none	Score	196
Exons	10262..10564, 10269..10571, 10583..10696, 10611..10697		

Seq. No.	3052	Seq. ID	OJ990822_40.0128.C8
Gene No.	6512	Strand	-
Start	18656	End	19148
Name	OJ990822_40.0128.C8.o7.gs	Method	GENSCAN
Start	18656	End	19148
GI	none	Score	.89
Exons	18656..18928, 19110..19148		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6513	Strand	+
Start	653	End	5689
Name	OJ990822_40.0128.C9.o1.gs	Method	GENSCAN
Start	653	End	5532
GI	none	Score	.7
Exons	653..753, 2949..3065, 3709..3867, 3973..4124, 4231..4355, 5005..5167, 5499..5532		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6513	Strand	+
Start	653	End	5689
Name	OJ990822_40.0128.C9.o1.np	Method	AAT/NAP
Start	1681	End	5689
GI	5777632	Score	450
Exons	1681..1777, 2946..3065, 3354..3609, 3709..3867, 3973..4124, 4231..4300, 5667..5689		
GI Descrip.	(AJ245900) CAA303720.1 protein [Oryza sativa]		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6513	Strand	+
Start	653	End	5689
Name	OJ990822_40.0128.C9.o1.gp	Method	AAT/GAP
Start	4032	End	4556
GI	uC-osflcyp128a09a1	Score	794
Exons	4032..4124, 4231..4556		
GI Descrip.	'5262202/emb|CAB45799.1| 2.0e-12 (AL080252) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6514	Strand	+
Start	10956	End	13424
Name	OJ990822_40.0128.C9.o3.gs	Method	GENSCAN
Start	10956	End	13424
GI	none	Score	.65
Exons	10956..11271, 11277..12528, 12581..12872, 13098..13424		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6515	Strand	+
Start	14818	End	22066
Name	OJ990822_40.0128.C9.o4.gs	Method	GENSCAN
Start	14818	End	22066
GI	none	Score	.43
Exons	14818..14899, 15234..15309, 15642..15985, 16233..16352, 16479..16753, 16845..16920, 17574..17947, 19965..20043, 20524..21145, 21163..22066		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6515	Strand	+

Start	14818	End	22066
Name	OJ990822_40.0128.C9.o2.np	Method	AAT/NAP
Start	15271	End	16095
GI	6967112	Score	352
Exons	15271..15309, 15405..16095		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6516	Strand	+
Start	25849	End	27900
Name	OJ990822_40.0128.C9.o3.gp	Method	AAT/GAP
Start	25799	End	26464
GI	none	Score	834
Exons	25799..26129, 26249..26314, 26409..26464		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6516	Strand	+
Start	25849	End	27900
Name	OJ990822_40.0128.C9.o5.gs	Method	GENSCAN
Start	25849	End	27900
GI	none	Score	.99
Exons	25849..26129, 26409..26881, 27311..27900		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6516	Strand	+
Start	25849	End	27900
Name	OJ990822_40.0128.C9.o3.np	Method	AAT/NAP
Start	25876	End	27834
GI	3426064	Score	499
Exons	25876..25972, 26000..26143, 26370..26847, 27337..27834		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6517	Strand	+
Start	29482	End	30582
Name	OJ990822_40.0128.C9.o6.gs	Method	GENSCAN
Start	29482	End	30542
GI	none	Score	.59
Exons	29482..30084, 30126..30542		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6517	Strand	+
Start	29482	End	30582
Name	OJ990822_40.0128.C9.o4.np	Method	AAT/NAP
Start	29674	End	30582
GI	6522559	Score	153
Exons	29674..30149, 30213..30341, 30375..30582		
GI Descrip.	(AL132967) putative protein [Arabidopsis thaliana]		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6518	Strand	+
Start	31789	End	32282
Name	OJ990822_40.0128.C9.o5.gp	Method	AAT/GAP
Start	31789	End	32282
GI	LIB3477-003-P1-K1-E9	Score	132

Exons	31789..31843, 32233..32282		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6519	Strand	-
Start	6144	End	10500
Name	OJ990822_40.0128.C9.o2.gs	Method	GENSCAN
Start	6144	End	10500
GI	none	Score	.49
Exons	6144..6167, 6397..6803, 6865..7033, 7051..7168, 8668..8932, 9295..9422, 9729..9839, 10126..10147, 10336..10414, 10456..10500		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6519	Strand	-
Start	6144	End	10500
Name	OJ990822_40.0128.C9.o2.gp	Method	AAT/GAP
Start	6715	End	7016
GI	568639	Score	344
Exons	6715..6764, 6869..7016		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o8.tm	Method	TBLASTX:Maize
Start	3325	End	4122
GI	none	Score	87
Exons	3325..3462, 3703..3894, 3972..4121, 3973..4122		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o3.ts	Method	TBLASTX:Soybean
Start	3703	End	4122
GI	none	Score	105
Exons	3703..3894, 3973..4122		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	14908	End	15587
GI	none	Score	377
Exons	14908..15309, 14913..15335, 15395..15580, 15402..15587		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	15399	End	15774
GI	none	Score	169
Exons	15399..15575, 15402..15578, 15611..15673, 15667..15774, 15667..15774		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-

Start	27576	End	28160
Name	OJ990822_40.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	15456	End	15861
GI	none	Score	132
Exons	15456..15590, 15467..15568, 15580..15666, 15581..15673, 15593..15670, 15666..15857, 15667..15861		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o7.tm	Method	TBLASTX:Maize
Start	15590	End	15783
GI	none	Score	124
Exons	15590..15673, 15592..15669, 15593..15670, 15595..15678, 15664..15783, 15675..15731		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	15787	End	16086
GI	none	Score	338
Exons	15787..16086, 15789..16016		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o5.tm	Method	TBLASTX:Maize
Start	16453	End	16705
GI	none	Score	305
Exons	16453..16698, 16454..16705		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o6.tm	Method	TBLASTX:Maize
Start	25994	End	26315
GI	none	Score	38
Exons	25994..26011, 26002..26136, 26014..26148, 26031..26147, 26241..26315, 26241..26309		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	26425	End	27576
GI	none	Score	68
Exons	26425..26517, 26475..26510, 26578..26856, 26610..26831, 27340..27576		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	26578	End	26805
GI	none	Score	199
Exons	26578..26805, 26598..26702, 26733..26804		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	26593	End	27372
GI	none	Score	365
Exons	26593..26835, 26601..26834, 27305..27361, 27307..27372		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	27427	End	27732
GI	none	Score	226
Exons	27427..27576, 27427..27582, 27622..27732, 27624..27731		

Seq. No.	3053	Seq. ID	OJ990822_40.0128.C9
Gene No.	6520	Strand	-
Start	27576	End	28160
Name	OJ990822_40.0128.C9.o4.gp	Method	AAT/GAP
Start	27576	End	28160
GI	none	Score	1154
Exons	27576..28160		

Seq. No.	3054	Seq. ID	OJ990822_40.0128.C11
Gene No.	6521	Strand	+
Start	305	End	405
Name	OJ990822_40.0128.C11.o1.np	Method	AAT/NAP
Start	305	End	405
GI	6006359	Score	52
Exons	305..405		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6522	Strand	+
Start	310	End	1767
Name	OJ990822_41.0128.C1.o1.gs	Method	GENSCAN
Start	310	End	1767
GI	none	Score	.64
Exons	310..478, 568..574, 1596..1767		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6523	Strand	+
Start	3099	End	5138
Name	OJ990822_41.0128.C1.o2.gs	Method	GENSCAN
Start	3099	End	5138
GI	none	Score	.48
Exons	3099..3206, 4708..4800, 5010..5138		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6524	Strand	+
Start	7628	End	12330
Name	OJ990822_41.0128.C1.o3.gs	Method	GENSCAN
Start	7628	End	12330
GI	none	Score	.76
Exons	7628..7777, 8938..9085, 10529..10758, 11057..11168,		

11269..11652, 11747..12330

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6525	Strand	+
Start	15327	End	19875
Name	OJ990822_41.0128.C1.o5.gs	Method	GENSCAN
Start	15327	End	19875
GI	none	Score	.67
Exons	15327..15417, 15567..15883, 19178..19322, 19588..19717, 19752..19875		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6526	Strand	+
Start	24364	End	30485
Name	OJ990822_41.0128.C1.o2.np	Method	AAT/NAP
Start	24364	End	30449
GI	5922631	Score	6736
Exons	24364..24488, 24747..24991, 25250..25452, 25498..26069, 26112..26263, 26390..27314, 27921..30449		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6526	Strand	+
Start	24364	End	30485
Name	OJ990822_41.0128.C1.o7.gs	Method	GENSCAN
Start	24364	End	30485
GI	none	Score	.75
Exons	24364..25030, 25049..25350, 25414..26379, 26390..27306, 27403..28193, 28260..28483, 28695..29543, 29643..30485		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6527	Strand	-
Start	12587	End	14707
Name	OJ990822_41.0128.C1.o1.np	Method	AAT/NAP
Start	12587	End	14707
GI	6967112	Score	428
Exons	12587..13279, 14684..14707		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o11.tw	Method	TBLASTX:Wheat
Start	11337	End	11654
GI	none	Score	66
Exons	11337..11414, 11418..11588, 11601..11654		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o5.tm	Method	TBLASTX:Maize

Start	12572	End	12895
GI	none	Score	86
Exons	12572..12895, 12744..12893		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	12821	End	13238
GI	none	Score	508
Exons	12821..13237, 12822..13238		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	12897	End	13280
GI	none	Score	68
Exons	12897..13130, 12899..13276, 12913..13080, 12969..13277, 13167..13280		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	12908	End	13279
GI	none	Score	38
Exons	12908..13072, 12987..13052, 13079..13279, 13101..13277		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o6.tm	Method	TBLASTX:Maize
Start	13433	End	13774
GI	none	Score	69
Exons	13433..13774, 13455..13577, 13505..13732		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o8.tm	Method	TBLASTX:Maize
Start	16175	End	17186
GI	none	Score	77
Exons	16175..16351, 16176..16343, 16196..16354, 16198..16317, 16199..16327, 16216..16329, 16222..16329, 16249..16350, 16354..16509, 16364..16516, 16365..16475, 16367..16507, 16373..16498, 16376..16483, 16377..16490, 16382..16468, 16383..16481, 16383..16484, 16401..16520, 16498..16623, 16508..16639, 16509..16637, 16519..16638, 16521..16637, 16522..16638, 16523..16633, 16528..16632, 16530..16631, 16531..16635, 16531..16647, 16537..16638, 16658..16690, 16693..16764, 16694..16771, 16701..16838, 16702..16836, 16707..16832, 16708..16854, 16711..16860, 16713..16832, 16744..16842, 16748..16852, 16884..16964, 16907..16984, 16909..16971, 16909..16962, 16970..17080, 17054..17083, 17055..17177, 17057..17185, 17061..17135, 17067..17156, 17067..17186		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6528	Strand	-
Start	20765	End	23816
Name	OJ990822_41.0128.C1.o6.gs	Method	GENSCAN
Start	20765	End	23816
GI	none	Score	.57
Exons	20765..20897, 22585..22680, 23400..23433, 23558..23816		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6529	Strand	
Start	25674	End	26076
Name	OJ990822_41.0128.C1.o8.tw	Method	TBLASTX:Wheat
Start	25674	End	26076
GI	none	Score	289
Exons	25674..25982, 25675..26076		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6530	Strand	
Start	26654	End	27331
Name	OJ990822_41.0128.C1.o7.tw	Method	TBLASTX:Wheat
Start	26654	End	27331
GI	none	Score	147
Exons	26654..26830, 26875..27111, 26879..27109, 27158..27331		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6531	Strand	
Start	27331	End	27817
Name	OJ990822_41.0128.C1.o2.tw	Method	TBLASTX:Wheat
Start	27331	End	27787
GI	none	Score	491
Exons	27331..27786, 27332..27787		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6531	Strand	
Start	27331	End	27817
Name	OJ990822_41.0128.C1.o3.ts	Method	TBLASTX:Soybean
Start	27371	End	27736
GI	none	Score	138
Exons	27371..27595, 27602..27736		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6531	Strand	
Start	27331	End	27817
Name	OJ990822_41.0128.C1.o3.tm	Method	TBLASTX:Maize
Start	27461	End	27817
GI	none	Score	370
Exons	27461..27817, 27502..27807		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6532	Strand	
Start	27902	End	28615
Name	OJ990822_41.0128.C1.o4.tw	Method	TBLASTX:Wheat
Start	27902	End	28326
GI	none	Score	429
Exons	27902..28321, 27946..28326		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6532	Strand	
Start	27902	End	28615
Name	OJ990822_41.0128.C1.o2.ts	Method	TBLASTX:Soybean
Start	27980	End	28381
GI	none	Score	307
Exons	27980..28381, 27997..28140		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6532	Strand	
Start	27902	End	28615
Name	OJ990822_41.0128.C1.o4.tm	Method	TBLASTX:Maize
Start	28048	End	28492
GI	none	Score	270
Exons	28048..28302, 28049..28303, 28049..28306, 28063..28308, 28324..28455, 28325..28468, 28466..28492		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6532	Strand	
Start	27902	End	28615
Name	OJ990822_41.0128.C1.o9.tw	Method	TBLASTX:Wheat
Start	28331	End	28615
GI	none	Score	275
Exons	28331..28612, 28340..28429, 28450..28614, 28520..28615		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6533	Strand	
Start	28607	End	29123
Name	OJ990822_41.0128.C1.o4.ts	Method	TBLASTX:Soybean
Start	28607	End	28996
GI	none	Score	87
Exons	28607..28711, 28615..28701, 28769..28996, 28770..28826, 28872..28994		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6533	Strand	
Start	28607	End	29123
Name	OJ990822_41.0128.C1.o6.tw	Method	TBLASTX:Wheat
Start	28616	End	29039
GI	none	Score	151
Exons	28616..28771, 28621..28770, 28769..28963, 28770..29039		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6533	Strand	
Start	28607	End	29123
Name	OJ990822_41.0128.C1.o10.tm	Method	TBLASTX:Maize
Start	28869	End	29123
GI	none	Score	185
Exons	28869..29123		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6534	Strand	
Start	29055	End	29354
Name	OJ990822_41.0128.C1.o10.tw	Method	TBLASTX:Wheat
Start	29055	End	29354
GI	none	Score	135
Exons	29055..29189, 29243..29329, 29256..29354		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6535	Strand	
Start	29351	End	29746
Name	OJ990822_41.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	29351	End	29675
GI	none	Score	433
Exons	29351..29674, 29352..29675		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6535	Strand	
Start	29351	End	29746
Name	OJ990822_41.0128.C1.o5.tw	Method	TBLASTX:Wheat
Start	29357	End	29746
GI	none	Score	404
Exons	29357..29668, 29358..29744, 29553..29744, 29699..29746		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6536	Strand	
Start	29816	End	30473
Name	OJ990822_41.0128.C1.o9.tm	Method	TBLASTX:Maize
Start	29816	End	30089
GI	none	Score	99
Exons	29816..29914, 29817..29915, 29906..29980, 29910..29993, 30003..30089		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6536	Strand	
Start	29816	End	30473
Name	OJ990822_41.0128.C1.o3.tw	Method	TBLASTX:Wheat
Start	29859	End	30473
GI	none	Score	371
Exons	29859..30350, 29879..29968, 30009..30038, 30020..30148, 30342..30473		

Seq. No.	3055	Seq. ID	OJ990822_41.0128.C1
Gene No.	6536	Strand	
Start	29816	End	30473
Name	OJ990822_41.0128.C1.o7.tm	Method	TBLASTX:Maize
Start	30171	End	30434
GI	none	Score	163
Exons	30171..30353, 30293..30352, 30330..30434, 30332..30433		

Seq. No.	3056	Seq. ID	OJ990822_41.0128.C2
Gene No.	6537	Strand	-
Start	3	End	3335
Name	OJ990822_41.0128.C2.o1.gs	Method	GENSCAN
Start	3	End	3335
GI	none	Score	.89
Exons	3..454, 528..641, 704..893, 968..1164, 1234..1592, 1669..1961, 2048..2374, 2539..3086, 3285..3335		

Seq. No.	3056	Seq. ID	OJ990822_41.0128.C2
Gene No.	6537	Strand	-
Start	3	End	3335
Name	OJ990822_41.0128.C2.o1.np	Method	AAT/NAP
Start	6	End	2934

GI	6691716	Score	2426
Exons	6..454, 528..641, 791..893, 968..1155, 1234..1413, 1492..1592, 1669..1846, 2038..2934		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3056	Seq. ID	OJ990822_41.0128.C2
Gene No.	6537	Strand	-
Start	3	End	3335
Name	OJ990822_41.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	2524	End	2814
GI	none	Score	54
Exons	2524..2814, 2561..2674		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6538	Strand	+
Start	494	End	819
Name	OJ990822_41.0128.C3.o1.gs	Method	GENSCAN
Start	494	End	819
GI	none	Score	.46
Exons	494..568, 803..819		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6539	Strand	+
Start	2833	End	4493
Name	OJ990822_41.0128.C3.o2.gs	Method	GENSCAN
Start	2833	End	4457
GI	none	Score	.76
Exons	2833..4457		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6539	Strand	+
Start	2833	End	4493
Name	OJ990822_41.0128.C3.o1.np	Method	AAT/NAP
Start	2869	End	4493
GI	6635236	Score	608
Exons	2869..3012, 3052..3251, 3330..4493		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6539	Strand	+
Start	2833	End	4493
Name	OJ990822_41.0128.C3.o1.tc	Method	TBLASTX:Cress
Start	3259	End	4479
GI	none	Score	52
Exons	3259..3324, 3265..3513, 3268..3318, 3331..3408, 3334..3462, 3334..3384, 3339..3542, 3340..3480, 3340..3747, 3343..3747, 3343..3747, 3343..3444, 3361..3615, 3372..3533, 3382..3678, 3475..3657, 3529..3747, 3550..3747, 3550..4050, 3745..4260, 3748..4167, 3748..3915, 3748..4266, 3775..4266, 3802..4266, 3802..4257, 3817..4122, 3892..4185, 3910..3978, 3913..4263, 4033..4266, 4066..4269, 4066..4479, 4129..4281, 4162..4188, 4276..4476, 4279..4479, 4282..4476, 4282..4479, 4285..4476, 4285..4476, 4294..4473, 4300..4413		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6539	Strand	+
Start	2833	End	4493
Name	OJ990822_41.0128.C3.o1.ts	Method	TBLASTX:Soybean
Start	3259	End	4491
GI	none	Score	216
Exons	3259..3747, 3289..3678, 3334..3747, 3339..3560, 3352..3741, 3367..3747, 3457..3570, 3520..3753, 3529..3636, 3601..3753, 3748..4119, 3748..4476, 3748..4257, 3774..3968, 3798..3911, 3802..4269, 3802..4257, 3802..4185, 3841..4263, 3892..4011, 3910..4260, 4012..4257, 4066..4266, 4150..4257, 4270..4491, 4285..4479, 4285..4491, 4294..4479, 4309..4476		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6539	Strand	+
Start	2833	End	4493
Name	OJ990822_41.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	3265	End	4479
GI	none	Score	47
Exons	3265..3324, 3271..3333, 3292..3552, 3328..3747, 3352..3747, 3352..3618, 3378..3608, 3385..3750, 3412..3696, 3496..3747, 3655..3771, 3707..3742, 3748..4185, 3748..4125, 3751..3909, 3757..3909, 3778..3906, 3801..3968, 3802..4044, 3832..4113, 3859..4266, 3871..4185, 3964..4098, 3973..4077, 4000..4272, 4003..4257, 4075..4278, 4183..4266, 4225..4479, 4282..4476		

Seq. No.	3057	Seq. ID	OJ990822_41.0128.C3
Gene No.	6539	Strand	+
Start	2833	End	4493
Name	OJ990822_41.0128.C3.o1.tw	Method	TBLASTX:Wheat
Start	3430	End	4491
GI	none	Score	140
Exons	3430..3735, 3496..3747, 3543..3668, 3775..4026, 3811..4098, 3841..4131, 3910..4236, 4003..4260, 4285..4491, 4294..4455, 4351..4479		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6540	Strand	+
Start	38	End	4173
Name	OJ990822_41.0128.C4.o1.gs	Method	GENSCAN
Start	38	End	4173
GI	none	Score	.99
Exons	38..1205, 3749..4173		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6541	Strand	+
Start	4847	End	5238
Name	OJ990822_41.0128.C4.o1.gp	Method	AAT/GAP
Start	4847	End	5238
GI	61140_1.R1084	Score	733
Exons	4847..5238		
GI Descrip.	'1706958 6.0e-18 (U58284) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6542	Strand	+
Start	12651	End	14534

Name	OJ990822_41.0128.C4.o4.np	Method	AAT/NAP
Start	12651	End	14534
GI	4539658	Score	87
Exons	12651..12674, 13975..14134, 14172..14336, 14502..14534		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6542	Strand	+
Start	12651	End	14534
Name	OJ990822_41.0128.C4.o3.np	Method	AAT/NAP
Start	13432	End	13531
GI	5777617	Score	79
Exons	13432..13531		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o5.tm	Method	TBLASTX:Maize
Start	11	End	355
GI	none	Score	67
Exons	11..109, 44..106, 44..100, 52..108, 80..334, 104..346, 113..355, 113..355, 113..355, 122..346, 127..354, 190..351		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o3.tc	Method	TBLASTX:Cress
Start	20	End	3861
GI	none	Score	67
Exons	20..103, 41..109, 41..355, 41..91, 44..109, 73..102, 113..355, 113..355, 113..310, 113..355, 113..355, 113..355, 113..355, 122..355, 125..241, 148..300, 194..355, 205..345, 337..369, 350..370, 641..763, 3763..3861		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	44	End	1204
GI	none	Score	64
Exons	44..109, 68..109, 113..172, 113..229, 134..316, 209..355, 613..783, 614..784, 797..946, 976..1059, 977..1204, 1123..1203		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	629	End	3834
GI	none	Score	106
Exons	629..763, 794..934, 980..1144, 1175..1204, 3763..3834		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.tc	Method	TBLASTX:Cress

Start	800	End	1210
GI	none	Score	143
Exons	800..946, 820..933, 974..1210, 976..1059, 1120..1209		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o5.tw	Method	TBLASTX:Wheat
Start	803	End	1138
GI	none	Score	141
Exons	803..949, 983..1138		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o5.ts	Method	TBLASTX:Soybean
Start	3760	End	4104
GI	5677491	Score	119
Exons	3760..3873, 3765..3854, 3946..4104		
GI Descrip.	-		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.gs	Method	GENSCAN
Start	4498	End	13621
GI	none	Score	.64
Exons	4498..4629, 5135..5434, 5477..5653, 5752..6102, 6182..6775, 6808..7329, 7760..8372, 8473..8786, 8902..9029, 9131..9392, 9532..9748, 10418..10518, 10583..10648, 11502..11627, 11757..11925, 12895..13316, 13526..13621		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	5043	End	8369
GI	none	Score	373
Exons	5043..5222, 5064..5393, 5069..5431, 5414..5653, 5436..5705, 5743..6108, 5756..6100, 5872..6108, 6179..6265, 6180..6230, 6263..6370, 6276..6362, 6656..6775, 6657..6776, 6713..6778, 6823..7332, 6830..7357, 7756..7806, 7760..8194, 7761..8369, 8225..8365		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	5055	End	8207
GI	none	Score	376
Exons	5055..5222, 5069..5443, 5070..5396, 5423..5653, 5442..5654, 5732..6103, 5743..6105, 6019..6105, 6179..6250, 6183..6230, 6269..6370, 6270..6368, 6653..6775, 6654..6776, 6823..6948, 6830..6910, 6901..7332, 6902..7330, 7760..8206, 7761..8075, 8027..8197, 8130..8207		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4

Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	5061	End	9299
GI	none	Score	328
Exons	5061..5396, 5069..5431, 5414..5653, 5439..5651, 5732..6103, 5743..6108, 5887..6105, 6179..6265, 6183..6230, 6257..6370, 6276..6359, 6659..6775, 6660..6776, 6823..7332, 6830..7330, 7760..8365, 7761..8369, 8538..8591, 9126..9299, 9127..9279		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o1.np	Method	AAT/NAP
Start	5069	End	9384
GI	3511285	Score	3896
Exons	5069..5653, 5752..6102, 6182..6509, 6591..6775, 6853..7329, 7760..8369, 8473..8629, 8729..8817, 8930..9029, 9131..9384		
GI Descrip.	(AF081534) cellulose synthase [Populus alba x Populus tremula]		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	5186	End	5597
GI	none	Score	233
Exons	5186..5431, 5187..5393, 5414..5596, 5439..5597, 5529..5597		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.gp	Method	AAT/GAP
Start	5289	End	5876
GI	14908_4.R1084	Score	860
Exons	5289..5653, 5752..5876		
GI Descrip.	'1706958 1.0e-70 (U58284) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o3.tw	Method	TBLASTX:Wheat
Start	5597	End	5914
GI	none	Score	69
Exons	5597..5653, 5598..5705, 5732..5914, 5743..5910		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o3.gp	Method	AAT/GAP
Start	5887	End	6244
GI	45637_1.R1084	Score	538
Exons	5887..6102, 6182..6244		
GI Descrip.	'3511285 1.0e-22 (AF081534) cellulose synthase [Populus alba x Populus tremula]'		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4

Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o4.gp	Method	AAT/GAP
Start	6570	End	7019
GI	3761534	Score	680
Exons	6570..6775, 6853..7019		
GI Descrip.	3511285 2.0e-53 (AF081534) cellulose synthase [Populus alba x Populus tremula]		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o4.tw	Method	TBLASTX:Wheat
Start	6722	End	7068
GI	none	Score	50
Exons	6722..6775, 6723..6773, 6826..6945, 6830..6931, 6952..7068, 6956..7066		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	7069	End	7909
GI	none	Score	227
Exons	7069..7332, 7073..7330, 7760..7909, 7761..7898		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o5.gp	Method	AAT/GAP
Start	8909	End	9346
GI	4881049	Score	607
Exons	8909..9029, 9131..9346		
GI Descrip.	3511285 1.0e-22 (AF081534) cellulose synthase [Populus alba x Populus tremula]		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o4.tm	Method	TBLASTX:Maize
Start	9129	End	9341
GI	none	Score	164
Exons	9129..9341, 9130..9324		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o4.ts	Method	TBLASTX:Soybean
Start	9129	End	9315
GI	none	Score	175
Exons	9129..9296, 9130..9315		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o6.gp	Method	AAT/GAP
Start	10169	End	13249

GI	1000_1.R1084	Score	1882
Exons	10169..10464, 10583..10648, 11502..11627, 11757..11925, 12895..13249		
GI Descrip.	'1352442/sp|P48600|IFE2_ORYSA 2.0e-67 EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-(ISO)4F 25 KD SUBUNIT) (EIF-(ISO)4F P28 SUBUNIT) >gi_1002917 (U34598) p28 [Oryza sativa]'		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	10240	End	13020
GI	none	Score	46
Exons	10240..10296, 10272..10301, 10413..10439, 10414..10494, 10415..10465, 10568..10657, 10583..10657, 11487..11627, 11500..11628, 11746..11931, 11754..11924, 11756..11926, 11757..11948, 11758..11934, 12894..13019, 12895..13020		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o2.np	Method	AAT/NAP
Start	10417	End	13103
GI	1352442	Score	987
Exons	10417..10464, 10583..10648, 11502..11627, 11757..11925, 12895..13103		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-(ISO)4F 25 KD SUBUNIT) (EIF-(ISO)4F P28 SUBUNIT) gi|1002917 (U34598) p28 [Oryza sativa]		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	10583	End	13017
GI	none	Score	86
Exons	10583..10657, 11499..11624, 11499..11627, 11509..11625, 11754..11795, 11754..11792, 11759..11794, 11802..11924, 11804..11944, 11809..11931, 12897..13010, 12897..13016, 12898..13017		

Seq. No.	3058	Seq. ID	OJ990822_41.0128.C4
Gene No.	6543	Strand	-
Start	4498	End	13621
Name	OJ990822_41.0128.C4.o4.tc	Method	TBLASTX:Cress
Start	10583	End	13020
GI	none	Score	52
Exons	10583..10657, 11485..11550, 11487..11561, 11559..11627, 11560..11625, 11754..11810, 11805..11924, 11806..11901, 12883..12960, 12894..12974, 12895..12960, 12969..13019, 12973..13020		

Seq. No.	3059	Seq. ID	OJ990822_41.0128.C5
Gene No.	6544	Strand	-
Start	460	End	720
Name	OJ990822_41.0128.C5.o1.gs	Method	GENSCAN

Start	460	End	720
GI	none	Score	.48
Exons	460..720		

Seq. No.	3059	Seq. ID	OJ990822_41.0128.C5
Gene No.	6544	Strand	-
Start	460	End	720
Name	OJ990822_41.0128.C5.o1.np	Method	AAT/NAP
Start	471	End	572
GI	5777617	Score	84
Exons	471..572		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6545	Strand	+
Start	9995	End	11463
Name	OJ990822_41.0128.C6.o4.gs	Method	GENSCAN
Start	9995	End	11463
GI	none	Score	.76
Exons	9995..10081, 10921..11463		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6546	Strand	-
Start	961	End	2580
Name	OJ990822_41.0128.C6.o1.gs	Method	GENSCAN
Start	961	End	2580
GI	none	Score	.69
Exons	961..1109, 1240..1345, 2473..2580		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o1.np	Method	AAT/NAP
Start	4116	End	9479
GI	6069646	Score	927
Exons	4116..5106, 5389..6111, 9456..9479		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	4125	End	4716
GI	none	Score	86
Exons	4125..4346, 4416..4595, 4500..4595, 4651..4716		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	4819	End	5104
GI	none	Score	109
Exons	4819..4920, 4936..5103, 4937..5104		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	5089	End	5531
GI	none	Score	48
Exons	5089..5220, 5093..5215, 5227..5448, 5234..5431, 5418..5531		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	5170	End	5856
GI	none	Score	71
Exons	5170..5421, 5171..5422, 5412..5855, 5662..5856		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	5652	End	5966
GI	none	Score	87
Exons	5652..5966, 5662..5799		

Seq. No.	3060	Seq. ID	OJ990822_41.0128.C6
Gene No.	6547	Strand	-
Start	4116	End	9479
Name	OJ990822_41.0128.C6.o3.gs	Method	GENSCAN
Start	9081	End	9320
GI	none	Score	.59
Exons	9081..9320		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6548	Strand	+
Start	1016	End	4211
Name	OJ990822_41.0128.C7.o1.gs	Method	GENSCAN
Start	1016	End	4211
GI	none	Score	.5
Exons	1016..1148, 1914..2018, 4035..4211		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6549	Strand	+
Start	5734	End	6556
Name	OJ990822_41.0128.C7.o3.gs	Method	GENSCAN
Start	5734	End	6556
GI	none	Score	.7
Exons	5734..5915, 6451..6556		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6550	Strand	+
Start	9231	End	10920
Name	OJ990822_41.0128.C7.o4.gs	Method	GENSCAN
Start	9231	End	10920
GI	none	Score	.75
Exons	9231..9282, 10751..10920		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6551	Strand	+
Start	12396	End	14400
Name	OJ990822_41.0128.C7.o3.gp	Method	AAT/GAP
Start	12396	End	14400
GI	416_3.R1084	Score	1097
Exons	12396..12441, 12548..12832, 13990..14031, 14133..14400		
GI Descrip.	'2341028/gb|AAB70426| 1.0e-56 (AC000104) Strong similarity to 60S ribosomal protein L17 (gb_X01694). EST gb_AA042332 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6551	Strand	+
Start	12396	End	14400
Name	OJ990822_41.0128.C7.o1.np	Method	AAT/NAP
Start	12535	End	14212
GI	2459420	Score	630
Exons	12535..12832, 13990..14031, 14133..14212		
GI Descrip.	(AC002332) 60S ribosomal protein L23 [Arabidopsis thaliana]		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6552	Strand	-
Start	4746	End	4976
Name	OJ990822_41.0128.C7.o2.gs	Method	GENSCAN
Start	4746	End	4976
GI	none	Score	.53
Exons	4746..4976		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6553	Strand	-
Start	8782	End	9140
Name	OJ990822_41.0128.C7.o1.gp	Method	AAT/GAP
Start	8782	End	9140
GI	2309883	Score	471
Exons	8782..9140		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6554	Strand	-
Start	10118	End	10245
Name	OJ990822_41.0128.C7.o2.gp	Method	AAT/GAP
Start	10118	End	10245
GI	4519257	Score	89
Exons	10118..10179, 10221..10245		
GI Descrip.	4519258/dbj|BAA75541.1| 0.0e+00 (AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	1794	End	2069
GI	none	Score	157
Exons	1794..1973, 1832..1972, 1968..2069		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	12512	End	14211
GI	none	Score	44
Exons	12512..12580, 12553..12579, 12554..12595, 12571..12831, 12573..12830, 13985..14044, 13988..14035, 13989..14045, 14130..14204, 14131..14211, 14132..14209		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o1.tc	Method	TBLASTX:Cress
Start	12570	End	14206
GI	none	Score	68
Exons	12570..12683, 12571..12834, 12573..12836, 13992..14030, 14132..14170, 14174..14206		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	12570	End	14238
GI	none	Score	101
Exons	12570..12674, 12571..12831, 12573..12830, 12729..12833, 13985..14044, 13989..14045, 14129..14236, 14131..14238, 14132..14209		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	12571	End	14211
GI	none	Score	447
Exons	12571..12831, 12573..12830, 13955..14044, 13987..14031, 13989..14045, 14131..14208, 14131..14211, 14132..14209		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o6.gs	Method	GENSCAN
Start	17602	End	18777
GI	none	Score	.56
Exons	17602..17703, 17853..17928, 18167..18294, 18382..18777		

Seq. No.	3061	Seq. ID	OJ990822_41.0128.C7
Gene No.	6555	Strand	-
Start	17602	End	18783
Name	OJ990822_41.0128.C7.o2.np	Method	AAT/NAP
Start	17605	End	18783
GI	2459418	Score	257
Exons	17605..17706, 17853..17978, 18121..18277, 18674..18783		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3062	Seq. ID	OJ990822_41.0128.C8
Gene No.	6556	Strand	-

Start	79	End	794
Name	OJ990822_41.0128.C8.o1.gs	Method	GENSCAN
Start	79	End	794
GI	none	Score	.91
Exons	79..794		

Seq. No.	3062	Seq. ID	OJ990822_41.0128.C8
Gene No.	6556	Strand	-
Start	79	End	794
Name	OJ990822_41.0128.C8.o1.gp	Method	AAT/GAP
Start	422	End	794
GI	none	Score	697
Exons	422..794		

Seq. No.	3063	Seq. ID	OJ990822_41.0128.C9
Gene No.	6557	Strand	+
Start	102	End	328
Name	OJ990822_41.0128.C9.o1.gs	Method	GENSCAN
Start	102	End	161
GI	none	Score	.98
Exons	102..161		

Seq. No.	3063	Seq. ID	OJ990822_41.0128.C9
Gene No.	6557	Strand	+
Start	102	End	328
Name	OJ990822_41.0128.C9.o1.np	Method	AAT/NAP
Start	102	End	328
GI	2498930	Score	42
Exons	102..161, 310..328		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3064	Seq. ID	OJ990822_41.0128.C10
Gene No.	6558	Strand	+
Start	538	End	644
Name	OJ990822_41.0128.C10.o1.gs	Method	GENSCAN
Start	538	End	644
GI	none	Score	.79
Exons	538..644		

Seq. No.	3064	Seq. ID	OJ990822_41.0128.C10
Gene No.	6559	Strand	-
Start	1	End	455
Name	OJ990822_41.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	455
GI	3308971	Score	96
Exons	1..188, 369..455		
GI Descrip.	(AB002111) peroxisome assembly factor-3 (PAF-3) [Rattus norvegicus]		

Seq. No.	3064	Seq. ID	OJ990822_41.0128.C10
Gene No.	6560	Strand	-
Start	397	End	1201
Name	OJ990822_41.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	39	End	1201
GI	none	Score	59
Exons	39..191, 45..158, 64..189, 366..455, 367..456, 399..455,		

641..733, 643..738, 648..743, 785..910, 834..908, 834..917, 1169..1201

Seq. No.	3064	Seq. ID	OJ990822_41.0128.C10
Gene No.	6560	Strand	-
Start	397	End	1201
Name	OJ990822_41.0128.C10.o1.gp	Method	AAT/GAP
Start	397	End	1201
GI	uC-osflcyp019b09b1	Score	442
Exons	397..455, 646..732, 833..907, 1172..1201		
GI Descrip.	'4519258/dbj|BAA75541.1| 0.0e+00 (AB017914) L-zip+NBS+LRR [Oryza sativa]'		

Seq. No.	3065	Seq. ID	OJ990612_35.0103.C1
Gene No.	6561	Strand	-
Start	1	End	633
Name	OJ990612_35.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	633
GI	2498930	Score	724
Exons	1..406, 574..633		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3065	Seq. ID	OJ990612_35.0103.C1
Gene No.	6561	Strand	-
Start	1	End	633
Name	OJ990612_35.0103.C1.o1.gs	Method	GENSCAN
Start	12	End	633
GI	none	Score	1
Exons	12..406, 574..633		

Seq. No.	3066	Seq. ID	OJ990612_35.0103.C2
Gene No.	6562	Strand	+
Start	1	End	3377
Name	OJ990612_35.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	3377
GI	6815062	Score	1680
Exons	1..859, 1032..1102, 1194..2052, 2138..2384, 2437..2746, 2823..2921, 2993..3058, 3137..3377		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	3066	Seq. ID	OJ990612_35.0103.C2
Gene No.	6562	Strand	+
Start	1	End	3377
Name	OJ990612_35.0103.C2.o1.gs	Method	GENSCAN
Start	322	End	3366
GI	none	Score	.86
Exons	322..460, 1012..1102, 1194..2052, 2138..2346, 2452..2544, 2605..2746, 2823..2921, 2993..3366		

Seq. No.	3066	Seq. ID	OJ990612_35.0103.C2
Gene No.	6562	Strand	+
Start	1	End	3377
Name	OJ990612_35.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	1395	End	1899

GI	none	Score	91
Exons	1395..1520, 1396..1530, 1561..1899, 1561..1815, 1590..1895		

Seq. No.	3066	Seq. ID	OJ990612_35.0103.C2
Gene No.	6562	Strand	+
Start	1	End	3377
Name	OJ990612_35.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	2138	End	2746
GI	none	Score	228
Exons	2138..2347, 2188..2346, 2444..2521, 2561..2746		

Seq. No.	3067	Seq. ID	OJ990612_35.0103.C3
Gene No.	6563	Strand	+
Start	1236	End	4180
Name	OJ990612_35.0103.C3.o1.np	Method	AAT/NAP
Start	1236	End	4180
GI	4680186	Score	165
Exons	1236..1308, 2618..2777, 3354..3491, 4103..4180		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3067	Seq. ID	OJ990612_35.0103.C3
Gene No.	6563	Strand	+
Start	1236	End	4180
Name	OJ990612_35.0103.C3.o1.gs	Method	GENSCAN
Start	1358	End	2141
GI	none	Score	.82
Exons	1358..1513, 1962..2141		

Seq. No.	3067	Seq. ID	OJ990612_35.0103.C3
Gene No.	6564	Strand	+
Start	4506	End	6362
Name	OJ990612_35.0103.C3.o2.np	Method	AAT/NAP
Start	4506	End	6362
GI	6907086	Score	531
Exons	4506..5329, 5381..5601, 5815..6182, 6318..6362		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3067	Seq. ID	OJ990612_35.0103.C3
Gene No.	6565	Strand	+
Start	7103	End	7206
Name	OJ990612_35.0103.C3.o1.gp	Method	AAT/GAP
Start	7103	End	7206
GI	3683_1.R1084	Score	148
Exons	7103..7206		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	3067	Seq. ID	OJ990612_35.0103.C3
Gene No.	6566	Strand	-
Start	3067	End	6029
Name	OJ990612_35.0103.C3.o2.gs	Method	GENSCAN
Start	3067	End	6029
GI	none	Score	.43
Exons	3067..3267, 3820..3928, 4125..4224, 4593..4840, 5452..5696, 5813..6029		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4

Gene No.	6567	Strand	+
Start	852	End	7153
Name	OJ990612_35.0103.C4.o1.gs	Method	GENSCAN
Start	852	End	6944
GI	none	Score	.81
Exons	852..1001, 1506..1642, 1766..1881, 2006..2044, 2087..2157, 2946..3012, 3520..3606, 4364..4379, 5280..5416, 5801..5878, 6858..6944		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6567	Strand	+
Start	852	End	7153
Name	OJ990612_35.0103.C4.o1.gp	Method	AAT/GAP
Start	853	End	1842
GI	none	Score	756
Exons	853..1001, 1115..1191, 1506..1644, 1767..1842		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6567	Strand	+
Start	852	End	7153
Name	OJ990612_35.0103.C4.o1.np	Method	AAT/NAP
Start	1603	End	6944
GI	3548818	Score	1136
Exons	1603..1642, 1766..1881, 2006..2157, 2256..2341, 2946..3073, 3214..3264, 3520..3606, 4364..4433, 5280..5416, 5801..5878, 6858..6944		
GI Descrip.	(AC005313) unknown protein [Arabidopsis thaliana]		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6567	Strand	+
Start	852	End	7153
Name	OJ990612_35.0103.C4.o2.gp	Method	AAT/GAP
Start	5348	End	7153
GI	uC-osroM202025c12a1	Score	813
Exons	5348..5416, 5801..5878, 6858..7153		
GI Descrip.	'3548818 1.0e-17 (AC005313) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6568	Strand	+
Start	12354	End	15642
Name	OJ990612_35.0103.C4.o3.gs	Method	GENSCAN
Start	12354	End	14694
GI	none	Score	.91
Exons	12354..12360, 12729..12886, 13195..13299, 14119..14694		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6568	Strand	+
Start	12354	End	15642
Name	OJ990612_35.0103.C4.o3.np	Method	AAT/NAP
Start	13825	End	15642
GI	6907086	Score	1136
Exons	13825..14590, 14651..14894, 15117..15164, 15273..15445, 15565..15642		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4

Gene No.	6569	Strand	-
Start	10713	End	11134
Name	OJ990612_35.0103.C4.o3.gp	Method	AAT/GAP
Start	10713	End	11134
GI	20886_2.R1084	Score	473
Exons	10713..10736, 10812..11134		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6570	Strand	-
Start	11222	End	13293
Name	OJ990612_35.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1560	End	5371
GI	none	Score	53
Exons	1560..1643, 1599..1640, 1603..1644, 1761..1877, 1761..1889, 1762..1881, 2005..2157, 2006..2155, 2007..2162, 2008..2157, 2249..2341, 2254..2349, 2256..2342, 2945..3073, 2947..3072, 2948..3073, 3196..3300, 3201..3263, 3511..3618, 3523..3606, 3546..3617, 4359..4433, 4361..4435, 4363..4434, 4382..4435, 4390..4440, 5267..5371, 5275..5355, 5279..5371		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6570	Strand	-
Start	11222	End	13293
Name	OJ990612_35.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	1599	End	3025
GI	none	Score	47
Exons	1599..1643, 1603..1644, 1714..1878, 1761..1889, 1764..1922, 1966..2025, 1993..2142, 2005..2157, 2006..2155, 2254..2337, 2256..2336, 2945..2992, 2990..3025		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6570	Strand	-
Start	11222	End	13293
Name	OJ990612_35.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	1599	End	5875
GI	none	Score	49
Exons	1599..1643, 1603..1644, 1761..1889, 1762..1878, 2006..2044, 2006..2038, 2041..2151, 2041..2157, 2099..2155, 2254..2346, 2256..2336, 2945..3073, 2956..3072, 2976..3074, 3132..3263, 3196..3300, 3392..3424, 3511..3618, 3529..3606, 3546..3617, 4361..4435, 4363..4434, 5267..5416, 5275..5415, 5279..5425, 5782..5868, 5797..5871, 5798..5875		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6570	Strand	-
Start	11222	End	13293
Name	OJ990612_35.0103.C4.o2.np	Method	AAT/NAP
Start	11222	End	13293
GI	6907106	Score	309
Exons	11222..11466, 11577..11700, 13237..13293		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3068	Seq. ID	OJ990612_35.0103.C4
Gene No.	6570	Strand	-

Start	11222	End	13293
Name	OJ990612_35.0103.C4.o4.gp	Method	AAT/GAP
Start	11960	End	12431
GI	38782_1.R1084	Score	799
Exons	11960..12431		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6571	Strand	+
Start	3985	End	16517
Name	OJ990612_35.0103.C5.o1.np	Method	AAT/NAP
Start	3985	End	7263
GI	4220527	Score	992
Exons	3985..4023, 4330..4515, 4626..4919, 6176..6409, 6871..7114, 7152..7263		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6571	Strand	+
Start	3985	End	16517
Name	OJ990612_35.0103.C5.o2.gs	Method	GENSCAN
Start	6242	End	16517
GI	none	Score	.54
Exons	6242..6409, 6775..7301, 8903..9067, 11941..12268, 12335..12506, 13035..13161, 15811..16010, 16027..16517		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6571	Strand	+
Start	3985	End	16517
Name	OJ990612_35.0103.C5.o2.np	Method	AAT/NAP
Start	10230	End	16394
GI	5734621	Score	199
Exons	10230..10265, 12183..12307, 16116..16394		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6572	Strand	-
Start	607	End	839
Name	OJ990612_35.0103.C5.o1.gp	Method	AAT/GAP
Start	607	End	839
GI	2442756	Score	346
Exons	607..839		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6573	Strand	
Start	4332	End	7114
Name	OJ990612_35.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	4332	End	6915
GI	none	Score	95
Exons	4332..4445, 4625..4702, 4629..4703, 4724..4915, 4725..4916, 4780..4917, 4781..4933, 6166..6408, 6176..6418, 6176..6409, 6754..6915		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5

Gene No.	6573	Strand	
Start	4332	End	7114
Name	OJ990612_35.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	4619	End	6273
GI	none	Score	89
Exons	4619..4717, 4629..4718, 4749..4916, 4751..4915, 6163..6273		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6573	Strand	
Start	4332	End	7114
Name	OJ990612_35.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	4625	End	4919
GI	none	Score	102
Exons	4625..4717, 4629..4718, 4745..4918, 4746..4919		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6573	Strand	
Start	4332	End	7114
Name	OJ990612_35.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	4644	End	7074
GI	none	Score	81
Exons	4644..4727, 4646..4705, 4746..4916, 4746..4913, 4751..4915, 6163..6402, 6166..6402, 6167..6412, 6176..6418, 6754..6927, 6774..6926, 6924..7037, 6967..7074		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6573	Strand	
Start	4332	End	7114
Name	OJ990612_35.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	6286	End	6915
GI	none	Score	179
Exons	6286..6408, 6287..6418, 6320..6409, 6754..6915, 6774..6914		

Seq. No.	3069	Seq. ID	OJ990612_35.0103.C5
Gene No.	6573	Strand	
Start	4332	End	7114
Name	OJ990612_35.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	6915	End	7114
GI	none	Score	203
Exons	6915..7052, 6916..7074, 6925..7068, 7079..7114, 7079..7114		

Seq. No.	3070	Seq. ID	OJ990612_35.0103.C6
Gene No.	6574	Strand	+
Start	221	End	7365
Name	OJ990612_35.0103.C6.o1.gs	Method	GENSCAN
Start	221	End	7365
GI	none	Score	.69
Exons	221..223, 2967..3369, 6617..7365		

Seq. No.	3070	Seq. ID	OJ990612_35.0103.C6
Gene No.	6574	Strand	+
Start	221	End	7365
Name	OJ990612_35.0103.C6.o1.np	Method	AAT/NAP
Start	6581	End	6939
GI	3617742	Score	244
Exons	6581..6939		
GI Descrip.	(AC005687) RAP2.6 [Arabidopsis thaliana]		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6575	Strand	+
Start	328	End	4660
Name	OJ990612_35.0103.C7.o1.gs	Method	GENSCAN
Start	328	End	4248
GI	none	Score	.52
Exons	328..499, 752..956, 1951..2003, 2098..2207, 3150..3247, 3887..4013, 4142..4248		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6575	Strand	+
Start	328	End	4660
Name	OJ990612_35.0103.C7.o1.np	Method	AAT/NAP
Start	600	End	4227
GI	4580461	Score	649
Exons	600..751, 1944..2003, 2098..2207, 2691..2858, 3150..3247, 3887..4013, 4142..4227		
GI Descrip.	(AC006081) unknown protein [Arabidopsis thaliana]		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6575	Strand	+
Start	328	End	4660
Name	OJ990612_35.0103.C7.o1.gp	Method	AAT/GAP
Start	663	End	4660
GI	26247_1.R1084	Score	2172
Exons	663..956, 1951..2003, 2098..2207, 2691..2858, 3150..3247, 3887..4013, 4142..4257, 4399..4660		
GI Descrip.	'4580461/gb|AAD24385.1|AC006081_7 3.0e-27 (AC006081) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6576	Strand	+
Start	5331	End	5927
Name	OJ990612_35.0103.C7.o2.gp	Method	AAT/GAP
Start	5331	End	5927
GI	none	Score	1167
Exons	5331..5927		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6577	Strand	+
Start	23002	End	24212
Name	OJ990612_35.0103.C7.o5.gs	Method	GENSCAN
Start	23002	End	23801
GI	none	Score	.73
Exons	23002..23607, 23730..23801		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6577	Strand	+
Start	23002	End	24212
Name	OJ990612_35.0103.C7.o5.np	Method	AAT/NAP
Start	23174	End	24212
GI	1753085	Score	257
Exons	23174..23607, 23730..23801, 24189..24212		
GI Descrip.	(U25283) leucine zipper protein [Oryza sativa]		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7

Gene No.	6578	Strand	-
Start	5397	End	12147
Name	OJ990612_35.0103.C7.o2.gs	Method	GENSCAN
Start	5397	End	12147
GI	none	Score	.47
Exons	5397..5434, 5705..6050, 6163..6306, 7194..7301, 7401..7414, 9002..9134, 9815..9896, 10323..10441, 10592..10692, 10818..10967, 11729..11859, 12056..12147		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6578	Strand	-
Start	5397	End	12147
Name	OJ990612_35.0103.C7.o2.np	Method	AAT/NAP
Start	5667	End	11088
GI	112251	Score	383
Exons	5667..6050, 6163..6306, 7194..7291, 7580..7709, 7903..7944, 8021..8070, 8147..8211, 9002..9214, 9815..9896, 10194..10266, 10366..10441, 10592..10649, 10938..11088		
GI Descrip.	polypyrimidine tract-binding protein 1 - rat gi|57002|emb|CAA43202| (X60789) pyrimidine binding protein 1 [Rattus norvegicus]		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6578	Strand	-
Start	5397	End	12147
Name	OJ990612_35.0103.C7.o3.np	Method	AAT/NAP
Start	6297	End	11898
GI	6665714	Score	184
Exons	6297..6372, 7675..7709, 7903..7944, 8021..8070, 8147..8211, 9002..9290, 9815..9896, 10194..10266, 10366..10441, 10592..10655, 11876..11898		
GI Descrip.	(AF211191) polypyrimidine tract binding protein [Drosophila melanogaster]		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6578	Strand	-
Start	5397	End	12147
Name	OJ990612_35.0103.C7.o3.gp	Method	AAT/GAP
Start	7681	End	9167
GI	LIB3431-033-P1-K1-G10	Score	605
Exons	7681..7709, 7903..7944, 8021..8070, 8147..8211, 9002..9167		
GI Descrip.	'5824418/emb|CAA85411.2| 2.0e-25 (Z36948) similar to polypyrimidine tract binding protein [Caenorhabditis elegans]'		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	833	End	4202
GI	none	Score	84
Exons	833..877, 834..944, 834..884, 888..956, 1950..2021, 1950..2021, 1964..2026, 2086..2205, 2098..2208, 2099..2209, 2689..2856, 2690..2857, 2690..2863, 3086..3247, 3149..3247, 3875..4051, 3885..4007, 3886..4011, 4131..4202, 4143..4202		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-

Start	18236	End	22314
Name	OJ990612_35.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	1945	End	2737
GI	none	Score	78
Exons	1945..2010, 1950..2015, 2086..2208, 2088..2207, 2098..2208, 2099..2248, 2690..2737		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o3.tc	Method	TBLASTX:Cress
Start	1966	End	4175
GI	none	Score	48
Exons	1966..2022, 2099..2248, 2108..2206, 2567..2677, 2680..2856, 2690..2857, 3148..3243, 3149..3247, 3875..4012, 3898..4011, 4131..4175		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	2701	End	3982
GI	none	Score	253
Exons	2701..2856, 2702..2857, 2704..2859, 3086..3247, 3147..3248, 3149..3247, 3864..3950, 3867..3950, 3875..3982, 3886..3981		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o4.ts	Method	TBLASTX:Soybean
Start	3163	End	4175
GI	none	Score	122
Exons	3163..3246, 3164..3247, 3872..4012, 3895..4011, 4131..4175		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	5441	End	10796
GI	none	Score	40
Exons	5441..5482, 5558..5614, 5559..5669, 5620..5973, 5661..6059, 5662..6051, 6002..6082, 6162..6305, 6163..6306, 6164..6304, 7189..7302, 7194..7310, 7487..7552, 7503..7550, 7652..7708, 7658..7711, 7659..7712, 7902..7937, 7903..7953, 7915..7959, 8021..8071, 8021..8068, 8023..8070, 8142..8216, 8147..8215, 8974..9138, 9001..9132, 9810..9896, 9814..9897, 9815..9898, 9816..9899, 10193..10273, 10193..10273, 10367..10417, 10374..10439, 10375..10440, 10592..10654, 10592..10654, 10593..10655, 10767..10796		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	5652	End	10649
GI	none	Score	277
Exons	5652..6059, 5662..6060, 6162..6299, 6163..6300, 6163..6306,		

6164..6304, 7194..7310, 7213..7311, 7658..7711, 7902..7937,
7903..7950, 8009..8089, 8014..8094, 8150..8215, 8163..8216,
8972..9118, 9000..9137, 9001..9135, 9818..9898, 10193..10273,
10367..10417, 10592..10648, 10593..10649

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	5659	End	6304
GI	none	Score	300

Exons 5659..6060, 5661..6059, 5986..6060, 6158..6298, 6163..6300,
6163..6303, 6167..6304

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	6170	End	8058
GI	none	Score	135

Exons 6170..6298, 6170..6292, 6172..6309, 6172..6306, 7191..7298,
7194..7298, 7195..7299, 7496..7525, 7503..7517, 7621..7707,
7652..7708, 7655..7711, 7656..7712, 7902..7937, 7903..7947,
8023..8058, 8024..8056

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o4.tc	Method	TBLASTX:Cress
Start	7902	End	10648
GI	none	Score	72

Exons 7902..7937, 8014..8088, 8150..8215, 8977..9123, 9000..9122,
9000..9137, 9001..9135, 9788..9898, 9849..9899, 10193..10273,
10367..10417, 10592..10648

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	18210	End	18514
GI	none	Score	269

Exons 18210..18455, 18212..18502, 18212..18514, 18289..18507

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	18231	End	21802
GI	none	Score	259

Exons 18231..18497, 18236..18514, 18237..18452, 18307..18498,
18601..18678, 21300..21527, 21301..21528, 21725..21766,
21764..21802

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o2.tc	Method	TBLASTX:Cress

Start	18236	End	21474
GI	none	Score	246
Exons	18236..18514, 18243..18452, 18248..18481, 18387..18521, 18599..18622, 18601..18678, 21300..21467, 21301..21474		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o4.gs	Method	GENSCAN
Start	18236	End	22314
GI	none	Score	.7
Exons	18236..18496, 18600..18674, 21300..21757, 21823..21959, 22232..22314		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o4.np	Method	AAT/NAP
Start	18239	End	22034
GI	5730136	Score	899
Exons	18239..18496, 18600..18674, 21300..22034		
GI Descrip.	(AL109796) putative protein [Arabidopsis thaliana]		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6579	Strand	-
Start	18236	End	22314
Name	OJ990612_35.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	21300	End	21528
GI	none	Score	304
Exons	21300..21527, 21301..21528		

Seq. No.	3071	Seq. ID	OJ990612_35.0103.C7
Gene No.	6580	Strand	
Start	23347	End	23607
Name	OJ990612_35.0103.C7.o5.tm	Method	TBLASTX:Maize
Start	23347	End	23607
GI	none	Score	95
Exons	23347..23442, 23356..23442, 23505..23606, 23506..23607, 23506..23607		

Seq. No.	3072	Seq. ID	OJ990612_35.0103.C8
Gene No.	6581	Strand	+
Start	270	End	601
Name	OJ990612_35.0103.C8.o1.gp	Method	AAT/GAP
Start	270	End	601
GI	286624	Score	649
Exons	270..601		

Seq. No.	3072	Seq. ID	OJ990612_35.0103.C8
Gene No.	6582	Strand	-
Start	1429	End	1517
Name	OJ990612_35.0103.C8.o2.gs	Method	GENSCAN
Start	1429	End	1517
GI	none	Score	.91
Exons	1429..1517		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9

Gene No.	6583	Strand	+
Start	1642	End	8363
Name	OJ990612_35.0103.C9.o1.gs	Method	GENSCAN
Start	1642	End	8363
GI	none	Score	.48
Exons	1642..1704, 1927..2097, 2190..4571, 4635..6627, 6811..8363		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6583	Strand	+
Start	1642	End	8363
Name	OJ990612_35.0103.C9.o1.np	Method	AAT/NAP
Start	2713	End	8360
GI	6498441	Score	6984
Exons	2713..3777, 4108..4571, 4635..5008, 5192..5326, 5501..5856, 6049..6416, 6588..7985, 8079..8360		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6584	Strand	+
Start	13203	End	14528
Name	OJ990612_35.0103.C9.o3.gs	Method	GENSCAN
Start	13203	End	14528
GI	none	Score	.62
Exons	13203..13265, 13488..13658, 14394..14528		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6585	Strand	+
Start	15257	End	22575
Name	OJ990612_35.0103.C9.o4.gs	Method	GENSCAN
Start	15257	End	22575
GI	none	Score	.57
Exons	15257..15308, 16967..17194, 17288..17486, 19165..19282, 19899..20061, 20148..20184, 20221..20412, 22356..22575		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6586	Strand	+
Start	23827	End	24244
Name	OJ990612_35.0103.C9.o4.gp	Method	AAT/GAP
Start	23827	End	24244
GI	3767668	Score	790
Exons	23827..24244		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6587	Strand	+
Start	29719	End	30542
Name	OJ990612_35.0103.C9.o5.np	Method	AAT/NAP
Start	29719	End	30542
GI	6539553	Score	874
Exons	29719..30542		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9

Gene No.	6588	Strand	-
Start	8994	End	13691
Name	OJ990612_35.0103.C9.o2.np	Method	AAT/NAP
Start	8994	End	12132
GI	6907089	Score	4683
Exons	8994..10776, 10871..12132		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6588	Strand	-
Start	8994	End	13691
Name	OJ990612_35.0103.C9.o3.np	Method	AAT/NAP
Start	11237	End	13691
GI	5922623	Score	203
Exons	11237..11269, 12847..12922, 13090..13243, 13606..13691		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6589	Strand	-
Start	20067	End	20597
Name	OJ990612_35.0103.C9.o3.gp	Method	AAT/GAP
Start	20067	End	20597
GI	none	Score	1032
Exons	20067..20597		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o8.tw	Method	TBLASTX:Wheat
Start	2862	End	3254
GI	none	Score	58
Exons	2862..2909, 2916..3014, 2921..3013, 2981..3220, 2997..3254		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o7.tm	Method	TBLASTX:Maize
Start	2867	End	3152
GI	none	Score	197
Exons	2867..3151, 2904..3152		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o6.tw	Method	TBLASTX:Wheat
Start	3262	End	6722
GI	none	Score	228
Exons	3262..3315, 6288..6539, 6303..6512, 6353..6538, 6573..6722, 6582..6719, 6584..6721		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o3.tw	Method	TBLASTX:Wheat
Start	3992	End	4478

GI	none	Score	405
Exons	3992..4165, 3993..4478, 4187..4447		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	4643	End	5105
GI	none	Score	581
Exons	4643..5098, 4644..5105, 4644..5099		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o5.ts	Method	TBLASTX:Soybean
Start	4683	End	5048
GI	none	Score	117
Exons	4683..4907, 4914..5048		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	4773	End	5129
GI	none	Score	394
Exons	4773..5129, 4808..5119, 4824..5129		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o6.tm	Method	TBLASTX:Maize
Start	5156	End	5540
GI	none	Score	350
Exons	5156..5521, 5157..5540		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	5213	End	5633
GI	none	Score	487
Exons	5213..5626, 5214..5633		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	5292	End	5663
GI	none	Score	283
Exons	5292..5663, 5309..5452		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o4.ts	Method	TBLASTX:Soybean
Start	6411	End	6977
GI	5666795	Score	64

Exons	6411..6509, 6585..6722, 6777..6977		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o13.tw	Method	TBLASTX:Wheat
Start	6725	End	7037
GI	none	Score	186
Exons	6725..6823, 6777..7037		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	7230	End	7553
GI	none	Score	359
Exons	7230..7553, 7259..7540		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o5.tw	Method	TBLASTX:Wheat
Start	7367	End	7748
GI	none	Score	373
Exons	7367..7423, 7368..7748, 7371..7709, 7469..7717		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o9.tw	Method	TBLASTX:Wheat
Start	7749	End	8351
GI	none	Score	263
Exons	7749..8033, 7751..8059, 7754..8032, 8225..8347, 8226..8351		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o8.tm	Method	TBLASTX:Maize
Start	8220	End	8366
GI	none	Score	186
Exons	8220..8366, 8225..8359		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	24038	End	25049
GI	none	Score	36
Exons	24038..24067, 24041..24064, 24166..24303, 24167..24304, 24173..24478, 24294..24485, 24361..24519, 24362..24544, 24393..24548, 24515..24556, 24536..24589, 24557..24607, 24581..24919, 24584..24631, 24587..24910, 24631..24918, 25004..25048, 25005..25049		
Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-

Start	24166	End	30187
Name	OJ990612_35.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	24122	End	24496
GI	none	Score	181
Exons	24122..24304, 24154..24303, 24344..24475, 24357..24455, 24358..24456, 24361..24495, 24362..24496		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o12.tw	Method	TBLASTX:Wheat
Start	24155	End	24297
GI	none	Score	165
Exons	24155..24289, 24161..24271, 24166..24297		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	24160	End	24711
GI	none	Score	92
Exons	24160..24297, 24160..24303, 24161..24304, 24314..24475, 24336..24455, 24355..24456, 24361..24498, 24365..24514, 24524..24640, 24637..24711, 24638..24709		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o5.gs	Method	GENSCAN
Start	24166	End	30187
GI	none	Score	.66
Exons	24166..24916, 25007..25139, 25388..25475, 25627..25978, 26593..26662, 27021..27084, 29188..29357, 29760..30024, 30182..30187		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o4.np	Method	AAT/NAP
Start	24169	End	25992
GI	5777631	Score	1492
Exons	24169..24916, 25007..25139, 25388..25475, 25627..25992		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o5.gp	Method	AAT/GAP
Start	24332	End	24918
GI	23010_1.R1084	Score	1094
Exons	24332..24918		
GI Descrip.	'5777631/emb|CAB53492.1| 2.0e-34 (AJ245900) CAA303719.1 protein [Oryza sativa]'		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187

Name	OJ990612_35.0103.C9.o11.tw	Method	TBLASTX:Wheat
Start	24360	End	24484
GI	none	Score	111
Exons	24360..24476, 24361..24483, 24361..24483, 24362..24484		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o10.tw	Method	TBLASTX:Wheat
Start	24575	End	24813
GI	none	Score	231
Exons	24575..24808, 24584..24811, 24637..24813		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	24608	End	25993
GI	none	Score	40
Exons	24608..24640, 24649..24831, 24650..24832, 24658..24849, 24811..24918, 24833..24919, 24993..25097, 24996..25127, 25004..25123, 25006..25140, 25007..25141, 25383..25478, 25627..25899, 25628..25900, 25909..25992, 25910..25993		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o2.tc	Method	TBLASTX:Cress
Start	24712	End	25141
GI	none	Score	72
Exons	24712..24831, 24712..24831, 24713..24832, 24853..24918, 24872..24919, 25004..25090, 25006..25140, 25007..25141		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	25051	End	25995
GI	none	Score	100
Exons	25051..25143, 25055..25138, 25371..25475, 25395..25484, 25627..25995, 25628..25993		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o3.tc	Method	TBLASTX:Cress
Start	25627	End	25993
GI	none	Score	178
Exons	25627..25833, 25631..25855, 25855..25992, 25892..25993		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o4.tw	Method	TBLASTX:Wheat
Start	25646	End	25995
GI	none	Score	228
Exons	25646..25894, 25648..25899, 25654..25902, 25909..25995,		

25940..25993

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o6.gp	Method	AAT/GAP
Start	26593	End	26683
GI	76626_1.R1084	Score	132
Exons	26593..26683		
GI Descrip.	'3047085 5.0e-54 (AF058914) No definition line found [Arabidopsis thaliana]'		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o7.tw	Method	TBLASTX:Wheat
Start	29713	End	30099
GI	none	Score	344
Exons	29713..30099, 29724..30080, 29779..30096		

Seq. No.	3073	Seq. ID	OJ990612_35.0103.C9
Gene No.	6590	Strand	-
Start	24166	End	30187
Name	OJ990612_35.0103.C9.o5.tm	Method	TBLASTX:Maize
Start	29848	End	30159
GI	none	Score	351
Exons	29848..30159, 29861..30157, 29866..30159		

Seq. No.	3074	Seq. ID	OJ990612_35.0103.C10
Gene No.	6591	Strand	-
Start	1	End	740
Name	OJ990612_35.0103.C10.o1.np	Method	AAT/NAP
Start	1	End	740
GI	3548818	Score	119
Exons	1..39, 336..447, 703..740		
GI Descrip.	(AC005313) unknown protein [Arabidopsis thaliana]		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6592	Strand	+
Start	15410	End	22972
Name	OJ990622_10.0128.C2.o4.gs	Method	GENSCAN
Start	15410	End	20954
GI	none	Score	.66
Exons	15410..15500, 15666..15763, 16759..16861, 16963..17546, 17564..18525, 18590..19834, 19931..20204, 20412..20954		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6592	Strand	+
Start	15410	End	22972
Name	OJ990622_10.0128.C2.o2.np	Method	AAT/NAP
Start	16711	End	22972
GI	5922631	Score	6627
Exons	16711..16834, 17093..17337, 17595..17802, 17848..18412, 18455..18559, 18744..18789, 18916..19842, 20449..22972		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa]		

gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6592	Strand	+
Start	15410	End	22972
Name	OJ990622_10.0128.C2.o5.gs	Method	GENSCAN
Start	21257	End	22861
GI	none	Score	.76
Exons	21257..22861		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6593	Strand	+
Start	26660	End	28146
Name	OJ990622_10.0128.C2.o4.np	Method	AAT/NAP
Start	26660	End	28146
GI	5852093	Score	77
Exons	26660..26714, 28033..28146		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6594	Strand	-
Start	1250	End	7473
Name	OJ990622_10.0128.C2.o2.gs	Method	GENSCAN
Start	1250	End	7473
GI	none	Score	.56
Exons	1250..1410, 1546..1763, 1768..1815, 1879..2010, 2273..2354, 2386..2506, 2599..2857, 2934..3232, 3324..3734, 3909..4155, 4261..4411, 4851..7473		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6594	Strand	-
Start	1250	End	7473
Name	OJ990622_10.0128.C2.o1.np	Method	AAT/NAP
Start	1529	End	7020
GI	5441880	Score	4750
Exons	1529..1763, 1879..2010, 2257..2354, 2599..2857, 2934..3232, 3819..4155, 4261..4411, 4971..5286, 5545..5576, 6015..7020		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6595	Strand	-
Start	10331	End	10546
Name	OJ990622_10.0128.C2.o3.gs	Method	GENSCAN
Start	10331	End	10546
GI	none	Score	.77
Exons	10331..10546		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o3.tw	Method	TBLASTX:Wheat
Start	5791	End	6165

GI	none	Score	178
Exons	5791..6156, 5821..6165		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o4.tm	Method	TBLASTX:Maize
Start	5956	End	6459
GI	none	Score	153
Exons	5956..6297, 6059..6280, 6331..6459, 6353..6451		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o8.tw	Method	TBLASTX:Wheat
Start	18016	End	18418
GI	none	Score	287
Exons	18016..18324, 18017..18418		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	19182	End	19979
GI	none	Score	138
Exons	19182..19358, 19403..19639, 19407..19637, 19686..19979, 19706..19975		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o9.tw	Method	TBLASTX:Wheat
Start	19980	End	20214
GI	none	Score	251
Exons	19980..20213, 20023..20214, 20054..20212		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o3.tm	Method	TBLASTX:Maize
Start	20052	End	20345
GI	none	Score	344
Exons	20052..20183, 20054..20323, 20055..20345		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o2.tw	Method	TBLASTX:Wheat
Start	20214	End	20633
GI	none	Score	465
Exons	20214..20633, 20216..20632		
Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	20373	End	20756

GI	none	Score	364
Exons	20373..20756, 20477..20755		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o1.ts	Method	TBLASTX:Soybean
Start	20478	End	20852
GI	none	Score	263
Exons	20478..20846, 20525..20668, 20541..20852		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o7.tw	Method	TBLASTX:Wheat
Start	20688	End	21074
GI	none	Score	148
Exons	20688..20831, 20690..20809, 20697..20831, 20834..21073, 20835..21074		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o2.ts	Method	TBLASTX:Soybean
Start	21131	End	21519
GI	none	Score	245
Exons	21131..21517, 21139..21234, 21271..21345, 21379..21519		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o6.tw	Method	TBLASTX:Wheat
Start	21140	End	21562
GI	none	Score	382
Exons	21140..21562, 21145..21486		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o7.tm	Method	TBLASTX:Maize
Start	21194	End	21466
GI	none	Score	122
Exons	21194..21364, 21368..21466		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o11.tw	Method	TBLASTX:Wheat
Start	21578	End	21877
GI	none	Score	127
Exons	21578..21712, 21779..21877		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	21875	End	22198

GI	none	Score	448
Exons	21875..22198, 21895..22185		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o4.tw	Method	TBLASTX:Wheat
Start	21880	End	22267
GI	none	Score	97
Exons	21880..22179, 21880..22191, 21881..22267, 22082..22267		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o6.tm	Method	TBLASTX:Maize
Start	22333	End	22612
GI	none	Score	94
Exons	22333..22446, 22340..22438, 22429..22503, 22433..22516, 22526..22612		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o5.tw	Method	TBLASTX:Wheat
Start	22382	End	22993
GI	none	Score	275
Exons	22382..22660, 22402..22491, 22537..22644, 22715..22840, 22865..22993		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o5.tm	Method	TBLASTX:Maize
Start	22715	End	22957
GI	none	Score	154
Exons	22715..22876, 22751..22873, 22855..22956, 22856..22957		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o6.gs	Method	GENSCAN
Start	23346	End	30578
GI	none	Score	.74
Exons	23346..23689, 23860..23937, 24037..24226, 24302..24501, 24567..24922, 24999..25172, 25222..25472, 25650..25924, 26307..26513, 26826..26892, 27833..27963, 28461..28549, 28697..28835, 30158..30221, 30336..30407, 30501..30578		

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o3.np	Method	AAT/NAP
Start	23358	End	26474
GI	6691716	Score	2477
Exons	23358..23797, 23860..23974, 24125..24226, 24302..24489, 24567..24746, 24825..24922, 24999..25172, 25579..26474		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	3075	Seq. ID	OJ990622_10.0128.C2
Gene No.	6596	Strand	-
Start	23346	End	30578
Name	OJ990622_10.0128.C2.o10.tw	Method	TBLASTX:Wheat
Start	26064	End	26378
GI	none	Score	208
Exons	26064..26378		

Seq. No.	3076	Seq. ID	OJ990622_10.0128.C3
Gene No.	6597	Strand	+
Start	1	End	9970
Name	OJ990622_10.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	498
GI	5441883	Score	113
Exons	1..221, 266..498		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AC004482) [Oryza sativa]		

Seq. No.	3076	Seq. ID	OJ990622_10.0128.C3
Gene No.	6597	Strand	+
Start	1	End	9970
Name	OJ990622_10.0128.C3.o1.gs	Method	GENSCAN
Start	205	End	627
GI	none	Score	.84
Exons	205..627		

Seq. No.	3076	Seq. ID	OJ990622_10.0128.C3
Gene No.	6597	Strand	+
Start	1	End	9970
Name	OJ990622_10.0128.C3.o2.np	Method	AAT/NAP
Start	367	End	9970
GI	4877927	Score	57
Exons	367..510, 9816..9970		
GI Descrip.	(AF138802) serum opacity factor precursor [Streptococcus pyogenes]		

Seq. No.	3076	Seq. ID	OJ990622_10.0128.C3
Gene No.	6597	Strand	+
Start	1	End	9970
Name	OJ990622_10.0128.C3.o1.gp	Method	AAT/GAP
Start	593	End	798
GI	6025028	Score	338
Exons	593..798		

Seq. No.	3076	Seq. ID	OJ990622_10.0128.C3
Gene No.	6597	Strand	+
Start	1	End	9970
Name	OJ990622_10.0128.C3.o2.gp	Method	AAT/GAP
Start	9210	End	9681
GI	2233_1.R1084	Score	908
Exons	9210..9681		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	3076	Seq. ID	OJ990622_10.0128.C3
Gene No.	6598	Strand	-
Start	4178	End	9924
Name	OJ990622_10.0128.C3.o2.gs	Method	GENSCAN
Start	4178	End	9924
GI	none	Score	.57
Exons	4178..4263, 4712..4892, 5537..5616, 7665..7761, 8007..8300, 8406..8632, 9564..9924		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6599	Strand	+
Start	1518	End	13067
Name	OJ990622_10.0128.C4.o2.gp	Method	AAT/GAP
Start	1277	End	13067
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	1277..1340, 13029..13067		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6599	Strand	+
Start	1518	End	13067
Name	OJ990622_10.0128.C4.o2.gs	Method	GENSCAN
Start	1518	End	2751
GI	none	Score	.45
Exons	1518..1569, 1679..1816, 1971..2135, 2648..2751		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6600	Strand	+
Start	13396	End	13988
Name	OJ990622_10.0128.C4.o3.gp	Method	AAT/GAP
Start	13396	End	13988
GI	300_1.R1084	Score	1009
Exons	13396..13988		
GI Descrip.	'130946/sp|P15839|PRO1_ORYSA 3.0e-37 10 KD PROLAMIN PRECURSOR >gi_82451_pir__S08219 prolamin, 10K, precursor - rice >gi_20296_emb_CAA34926_ (X17074) prolamin (AA 1-134) [Oryza sativa] >gi_20308_emb_CAA33301_ (X15231) 10 kD prolamin [Oryza sativa] >gi_551659_emb_CAA57495_ (X81970) 10KD prolamin [Oryza sativa] >gi_556405 (L36604) prolamin [Oryza sativa] >gi_556407 (L36605) prolamin [Oryz'		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6601	Strand	-
Start	10	End	357
Name	OJ990622_10.0128.C4.o1.gs	Method	GENSCAN
Start	10	End	357
GI	none	Score	.74
Exons	10..295, 311..357		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6602	Strand	-
Start	7319	End	7630
Name	OJ990622_10.0128.C4.o1.np	Method	AAT/NAP
Start	7319	End	7630
GI	4680204	Score	130

Exons	7319..7630		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6603	Strand	-
Start	8160	End	11422
Name	OJ990622_10.0128.C4.o2.np	Method	AAT/NAP
Start	8160	End	11422
GI	4680203	Score	1997
Exons	8160..9097, 9374..9603, 9763..11422		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	8240	End	9490
GI	none	Score	38
Exons	8240..8359, 8292..8360, 8360..8464, 8361..8465, 8483..8536, 8536..8580, 8537..8587, 8603..8731, 8604..8729, 8604..8732, 8605..8733, 8729..8941, 8751..8888, 8946..9446, 8948..9490		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	8303	End	8551
GI	none	Score	94
Exons	8303..8551, 8367..8549		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o2.tc	Method	TBLASTX:Cress
Start	8781	End	9203
GI	none	Score	44
Exons	8781..8888, 8789..8941, 8946..9203, 8948..9199		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	9134	End	9515
GI	none	Score	158
Exons	9134..9448, 9153..9473, 9456..9515		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o4.tw	Method	TBLASTX:Wheat
Start	9617	End	9821
GI	none	Score	47
Exons	9617..9700, 9648..9689, 9701..9820, 9704..9820, 9705..9821		
Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912

Name	OJ990622_10.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	9626	End	9841
GI	none	Score	87
Exons	9626..9817, 9627..9815, 9641..9841		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	9932	End	10166
GI	none	Score	73
Exons	9932..10165, 9941..10141, 9996..10166		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	10004	End	10445
GI	none	Score	87
Exons	10004..10195, 10017..10220, 10202..10444, 10218..10445		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o3.tw	Method	TBLASTX:Wheat
Start	10040	End	10381
GI	none	Score	74
Exons	10040..10195, 10041..10289, 10239..10334, 10241..10336, 10343..10381		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	10289	End	10636
GI	none	Score	88
Exons	10289..10636, 10290..10442, 10482..10631		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o4.ts	Method	TBLASTX:Soybean
Start	10370	End	10637
GI	none	Score	84
Exons	10370..10633, 10388..10612, 10389..10637		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	10385	End	11065
GI	none	Score	84
Exons	10385..10510, 10517..10636, 10530..10640, 10649..11065, 10776..10976		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-

Start	13505	End	13912
Name	OJ990622_10.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	10656	End	10993
GI	none	Score	202
Exons	10656..10940, 10658..10939, 10662..10940, 10938..10988, 10946..10993		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o4.gs	Method	GENSCAN
Start	13505	End	13912
GI	none	Score	.5
Exons	13505..13912		

Seq. No.	3077	Seq. ID	OJ990622_10.0128.C4
Gene No.	6604	Strand	-
Start	13505	End	13912
Name	OJ990622_10.0128.C4.o3.np	Method	AAT/NAP
Start	13508	End	13912
GI	130946	Score	628
Exons	13508..13912		
GI Descrip.	10 KD PROLAMIN PRECURSOR gi|82451|pir||S08219 prolamin, 10K, precursor - rice gi|20296|emb|CAA34926| (X17074) prolamin (AA 1-134) [Oryza sativa] gi|20308|emb|CAA33301| (X15231) 10 kD prolamin [Oryza sativa] gi|551659|emb|CAA57495| (X81970) 10KD prolamin [Oryza sativa] gi|556405 (L36604) prolamin [Oryza sativa] gi|556407 (L36605) prolamin [Oryza sativa] gi|226932|prf		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6605	Strand	+
Start	212	End	538
Name	OJ990622_10.0128.C5.o1.gs	Method	GENSCAN
Start	212	End	538
GI	none	Score	1
Exons	212..538		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6606	Strand	+
Start	3379	End	7157
Name	OJ990622_10.0128.C5.o2.gs	Method	GENSCAN
Start	3379	End	7157
GI	none	Score	.52
Exons	3379..3436, 6606..6698, 7027..7157		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6607	Strand	+
Start	8345	End	14346
Name	OJ990622_10.0128.C5.o3.gs	Method	GENSCAN
Start	8345	End	14346
GI	none	Score	.76
Exons	8345..8457, 8586..8766, 13072..13221, 13878..13918, 14274..14346		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6608	Strand	+
Start	17599	End	20530
Name	OJ990622_10.0128.C5.o1.np	Method	AAT/NAP

Start	17445	End	20530
GI	6815062	Score	303
Exons	17445..17671, 17705..18146, 18253..18464, 20422..20530		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6608	Strand	+
Start	17599	End	20530
Name	OJ990622_10.0128.C5.o5.gs	Method	GENSCAN
Start	17599	End	19247
GI	none	Score	.66
Exons	17599..18151, 18253..18294, 18408..18784, 19029..19247		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6609	Strand	+
Start	24154	End	29571
Name	OJ990622_10.0128.C5.o3.np	Method	AAT/NAP
Start	24154	End	27564
GI	6911863	Score	745
Exons	24154..24210, 24299..24487, 24566..24853, 24929..25188, 25604..25725, 27496..27564		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6609	Strand	+
Start	24154	End	29571
Name	OJ990622_10.0128.C5.o4.np	Method	AAT/NAP
Start	25982	End	29571
GI	4063770	Score	128
Exons	25982..26033, 28344..28405, 28912..29261, 29419..29571		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6610	Strand	-
Start	16545	End	16772
Name	OJ990622_10.0128.C5.o4.gs	Method	GENSCAN
Start	16545	End	16772
GI	none	Score	1
Exons	16545..16772		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6611	Strand	-
Start	16893	End	21663
Name	OJ990622_10.0128.C5.o2.np	Method	AAT/NAP
Start	16893	End	21663
GI	6815062	Score	443
Exons	16893..16928, 20198..21663		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6611	Strand	-
Start	16893	End	21663
Name	OJ990622_10.0128.C5.o3.tm	Method	TBLASTX:Maize

Start	17704	End	18033
GI	none	Score	151
Exons	17704..17964, 17781..17936, 17962..18033, 17967..18029		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6611	Strand	-
Start	16893	End	21663
Name	OJ990622_10.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	21058	End	21618
GI	none	Score	121
Exons	21058..21114, 21172..21462, 21182..21400, 21475..21618		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6612	Strand	
Start	24181	End	25718
Name	OJ990622_10.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	24181	End	25718
GI	none	Score	45
Exons	24181..24219, 24323..24481, 24559..24648, 24560..24676, 24686..24850, 24790..24849, 24902..25192, 24940..25179, 25079..25195, 25602..25718		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6612	Strand	
Start	24181	End	25718
Name	OJ990622_10.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	24301	End	25006
GI	none	Score	78
Exons	24301..24462, 24323..24403, 24539..24643, 24586..24642, 24686..24850, 24790..24849, 24928..25002, 24929..25006		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6612	Strand	
Start	24181	End	25718
Name	OJ990622_10.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	24547	End	24952
GI	none	Score	110
Exons	24547..24648, 24560..24649, 24686..24847, 24790..24846, 24902..24952		

Seq. No.	3078	Seq. ID	OJ990622_10.0128.C5
Gene No.	6612	Strand	
Start	24181	End	25718
Name	OJ990622_10.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	24569	End	25718
GI	none	Score	108
Exons	24569..24643, 24586..24642, 24686..24850, 24790..24849, 24898..25179, 24902..25192, 25602..25718		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6613	Strand	+
Start	614	End	4944
Name	OJ990622_10.0128.C6.o1.gs	Method	GENSCAN
Start	614	End	4944
GI	none	Score	.82
Exons	614..689, 4733..4944		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6614	Strand	+
Start	7559	End	7935
Name	OJ990622_10.0128.C6.o1.gp	Method	AAT/GAP
Start	7559	End	7935
GI	5816475	Score	545
Exons	7559..7935		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6615	Strand	+
Start	21520	End	24036
Name	OJ990622_10.0128.C6.o7.gs	Method	GENSCAN
Start	21520	End	24036
GI	none	Score	.47
Exons	21520..21660, 22267..22526, 22645..22745, 23064..23140, 23247..23375, 23536..24036		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6616	Strand	-
Start	7027	End	7993
Name	OJ990622_10.0128.C6.o2.gs	Method	GENSCAN
Start	7027	End	7993
GI	none	Score	.59
Exons	7027..7208, 7233..7470, 7949..7993		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6617	Strand	-
Start	10340	End	11845
Name	OJ990622_10.0128.C6.o4.gs	Method	GENSCAN
Start	10340	End	11845
GI	none	Score	.67
Exons	10340..10439, 10537..10599, 11766..11845		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6618	Strand	-
Start	12906	End	17975
Name	OJ990622_10.0128.C6.o1.np	Method	AAT/NAP
Start	12860	End	17975
GI	5852172	Score	57
Exons	12860..12939, 13040..13108, 16346..16418, 17880..17975		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6618	Strand	-
Start	12906	End	17975
Name	OJ990622_10.0128.C6.o5.gs	Method	GENSCAN
Start	12906	End	17325
GI	none	Score	.74
Exons	12906..13028, 16346..16516, 16817..16998, 17017..17089, 17314..17325		

Seq. No.	3079	Seq. ID	OJ990622_10.0128.C6
Gene No.	6619	Strand	-
Start	18834	End	19895
Name	OJ990622_10.0128.C6.o2.np	Method	AAT/NAP

Start	18834	End	19895
GI	6815053	Score	566
Exons	18834..19249, 19731..19895		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	3080	Seq. ID	OJ990622_10.0128.C7
Gene No.	6620	Strand	-
Start	393	End	486
Name	OJ990622_10.0128.C7.o1.gs	Method	GENSCAN
Start	393	End	486
GI	none	Score	.94
Exons	393..486		

Seq. No.	3081	Seq. ID	OJ990622_10.0128.C10
Gene No.	6621	Strand	+
Start	1	End	716
Name	OJ990622_10.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	716
GI	4455283	Score	571
Exons	1..123, 246..716		
GI Descrip.	(AL035527) L1 specific homeobox gene ATML1/ovule-specific homeobox protein A20 [Arabidopsis thaliana]		

Seq. No.	3081	Seq. ID	OJ990622_10.0128.C10
Gene No.	6621	Strand	+
Start	1	End	716
Name	OJ990622_10.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	1	End	659
GI	none	Score	201
Exons	1..123, 75..122, 243..533, 243..326, 311..493, 579..659		

Seq. No.	3081	Seq. ID	OJ990622_10.0128.C10
Gene No.	6621	Strand	+
Start	1	End	716
Name	OJ990622_10.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	46	End	518
GI	none	Score	131
Exons	46..123, 66..122, 243..518, 243..332, 311..478		

Seq. No.	3081	Seq. ID	OJ990622_10.0128.C10
Gene No.	6621	Strand	+
Start	1	End	716
Name	OJ990622_10.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	46	End	518
GI	none	Score	123
Exons	46..123, 243..518, 243..332, 311..385		

Seq. No.	3081	Seq. ID	OJ990622_10.0128.C10
Gene No.	6621	Strand	+
Start	1	End	716
Name	OJ990622_10.0128.C10.o1.gs	Method	GENSCAN
Start	118	End	635
GI	none	Score	.97
Exons	118..123, 246..635		

Seq. No.	3082	Seq. ID	OJ990622_10.0128.C11
Gene No.	6622	Strand	+

Start	869	End	1093
Name	OJ990622_10.0128.C11.o1.gs	Method	GENSCAN
Start	869	End	1093
GI	none	Score	.98
Exons	869..1093		

Seq. No.	3083	Seq. ID	OJ990402_10.0103.C2
Gene No.	6623	Strand	+
Start	1	End	151
Name	OJ990402_10.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	151
GI	3451291	Score	122
Exons	1..151		
GI Descrip.	(AJ010386) ETR-R3b protein [Rattus norvegicus]		

Seq. No.	3083	Seq. ID	OJ990402_10.0103.C2
Gene No.	6624	Strand	+
Start	59	End	305
Name	OJ990402_10.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	22	End	305
GI	none	Score	210
Exons	22..93, 23..154, 23..154, 206..235, 244..300, 261..305		

Seq. No.	3083	Seq. ID	OJ990402_10.0103.C2
Gene No.	6624	Strand	+
Start	59	End	305
Name	OJ990402_10.0103.C2.o1.gs	Method	GENSCAN
Start	59	End	154
GI	none	Score	.89
Exons	59..154		

Seq. No.	3084	Seq. ID	OJ990402_10.0103.C3
Gene No.	6625	Strand	+
Start	16	End	62
Name	OJ990402_10.0103.C3.o1.gs	Method	GENSCAN
Start	16	End	62
GI	none	Score	.69
Exons	16..62		

Seq. No.	3085	Seq. ID	OJ990402_10.0103.C4
Gene No.	6626	Strand	+
Start	325	End	433
Name	OJ990402_10.0103.C4.o1.gs	Method	GENSCAN
Start	325	End	433
GI	none	Score	.49
Exons	325..433		

Seq. No.	3086	Seq. ID	OJ990402_10.0103.C8
Gene No.	6627	Strand	+
Start	1	End	572
Name	OJ990402_10.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	572
GI	3924594	Score	254
Exons	1..147, 239..350, 525..572		
GI Descrip.	(AF069442) putative ribonucleoprotein [Arabidopsis thaliana] gi|4262139|gb|AAD14439| (AC005275) putative ribonucleoprotein [Arabidopsis thaliana]		

Seq. No.	3086	Seq. ID	OJ990402_10.0103.C8
Gene No.	6627	Strand	+
Start	1	End	572
Name	OJ990402_10.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	2	End	145
GI	none	Score	189
Exons	2..145, 3..143		

Seq. No.	3086	Seq. ID	OJ990402_10.0103.C8
Gene No.	6627	Strand	+
Start	1	End	572
Name	OJ990402_10.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	520
GI	none	Score	230
Exons	2..148, 3..149, 6..149, 237..308, 238..369, 238..369, 421..450, 459..515, 476..520		

Seq. No.	3086	Seq. ID	OJ990402_10.0103.C8
Gene No.	6627	Strand	+
Start	1	End	572
Name	OJ990402_10.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	2	End	351
GI	none	Score	222
Exons	2..148, 3..149, 228..305, 232..351, 238..345		

Seq. No.	3087	Seq. ID	OJ990402_10.0103.C9
Gene No.	6628	Strand	-
Start	74	End	484
Name	OJ990402_10.0103.C9.o1.gs	Method	GENSCAN
Start	74	End	484
GI	none	Score	.7
Exons	74..484		

Seq. No.	3088	Seq. ID	OJ990402_10.0103.C12
Gene No.	6629	Strand	+
Start	247	End	554
Name	OJ990402_10.0103.C12.o1.gp	Method	AAT/GAP
Start	247	End	554
GI	uC-osflM202037d11b1	Score	604
Exons	247..554		
GI Descrip.	'1805654/emb|CAA68234| 1.0e-17 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	3088	Seq. ID	OJ990402_10.0103.C12
Gene No.	6629	Strand	+
Start	247	End	554
Name	OJ990402_10.0103.C12.o1.gs	Method	GENSCAN
Start	442	End	527
GI	none	Score	.91
Exons	442..527		

Seq. No.	3089	Seq. ID	OJ990402_10.0103.C13
Gene No.	6630	Strand	-
Start	1	End	297
Name	OJ990402_10.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	297

GI	6330668	Score	132
Exons	1..297		
GI Descrip.	(AB033051) KIAA1225 protein [Homo sapiens]		

Seq. No.	3089	Seq. ID	OJ990402_10.0103.C13
Gene No.	6631	Strand	-
Start	245	End	624
Name	OJ990402_10.0103.C13.o1.gs	Method	GENSCAN
Start	245	End	624
GI	none	Score	.57
Exons	245..624		

Seq. No.	3090	Seq. ID	OJ990402_10.0103.C14
Gene No.	6632	Strand	+
Start	1	End	550
Name	OJ990402_10.0103.C14.o1.gp	Method	AAT/GAP
Start	1	End	367
GI	LIB3434-028-P1-K1-C6	Score	358
Exons	1..172, 285..367		
GI Descrip.	'3924594 3.0e-47 (AF069442) putative ribonucleoprotein [Arabidopsis thaliana] >gi_4262139_gb_AAD14439_ (AC005275) putative ribonucleoprotein [Arabidopsis thaliana]'		

Seq. No.	3090	Seq. ID	OJ990402_10.0103.C14
Gene No.	6632	Strand	+
Start	1	End	550
Name	OJ990402_10.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	550
GI	3924594	Score	219
Exons	1..172, 288..371, 531..550		
GI Descrip.	(AF069442) putative ribonucleoprotein [Arabidopsis thaliana] gi|4262139|gb|AAD14439| (AC005275) putative ribonucleoprotein [Arabidopsis thaliana]		

Seq. No.	3090	Seq. ID	OJ990402_10.0103.C14
Gene No.	6632	Strand	+
Start	1	End	550
Name	OJ990402_10.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	45	End	372
GI	none	Score	199
Exons	45..170, 46..171, 49..174, 50..178, 277..372, 284..367		

Seq. No.	3090	Seq. ID	OJ990402_10.0103.C14
Gene No.	6632	Strand	+
Start	1	End	550
Name	OJ990402_10.0103.C14.o1.gs	Method	GENSCAN
Start	47	End	463
GI	none	Score	.82
Exons	47..172, 285..463		

Seq. No.	3091	Seq. ID	OJ990402_10.0103.C15
Gene No.	6633	Strand	+
Start	43	End	491
Name	OJ990402_10.0103.C15.o1.gs	Method	GENSCAN
Start	43	End	491
GI	none	Score	.98
Exons	43..491		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+
Start	1	End	680
Name	OJ990402_10.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	641
GI	6752882	Score	514
Exons	1..214, 312..641		
GI Descrip.	(AF220200) nascent polypeptide associated complex alpha chain [Pinus taeda]		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+
Start	1	End	680
Name	OJ990402_10.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	54	End	646
GI	none	Score	89
Exons	54..212, 83..274, 95..217, 308..454, 312..515, 495..644, 502..558, 518..646, 545..646		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+
Start	1	End	680
Name	OJ990402_10.0103.C16.o1.tw	Method	TBLASTX:Wheat
Start	54	End	635
GI	none	Score	122
Exons	54..212, 89..274, 89..214, 306..404, 308..460, 312..506, 444..506, 480..635, 493..558, 545..634		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+
Start	1	End	680
Name	OJ990402_10.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	54	End	646
GI	none	Score	58
Exons	54..212, 83..274, 92..214, 306..404, 308..460, 312..506, 477..632, 480..644, 545..646		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+
Start	1	End	680
Name	OJ990402_10.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	83	End	644
GI	none	Score	121
Exons	83..274, 116..214, 306..407, 308..460, 312..491, 468..644, 475..552, 545..637		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+
Start	1	End	680
Name	OJ990402_10.0103.C16.o1.gs	Method	GENSCAN
Start	84	End	644
GI	none	Score	.75
Exons	84..214, 255..644		

Seq. No.	3092	Seq. ID	OJ990402_10.0103.C16
Gene No.	6634	Strand	+

Start	1	End	680
Name	OJ990402_10.0103.C16.o1.gp	Method	AAT/GAP
Start	93	End	680
GI	15027_1.R1084	Score	946
Exons	93..214, 312..680		
GI Descrip.	'4539408/emb|CAB40041.1| 1.0e-47 (AL049524) putative alpha NAC [Arabidopsis thaliana]'		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6635	Strand	+
Start	3662	End	5006
Name	OJ990402_10.0103.C17.o2.gs	Method	GENSCAN
Start	3662	End	5006
GI	none	Score	.46
Exons	3662..3711, 4743..4789, 4927..5006		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6636	Strand	-
Start	862	End	2130
Name	OJ990402_10.0103.C17.o1.gs	Method	GENSCAN
Start	862	End	2130
GI	none	Score	1
Exons	862..2130		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6636	Strand	-
Start	862	End	2130
Name	OJ990402_10.0103.C17.o1.np	Method	AAT/NAP
Start	865	End	2112
GI	3850580	Score	400
Exons	865..2112		
GI Descrip.	(AC005278) Strong similarity to gb|D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb|84105 and gb|AI100071 come from this gene. [Arabidopsis thaliana]		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6637	Strand	-
Start	6502	End	7070
Name	OJ990402_10.0103.C17.o1.tc	Method	TBLASTX:Cress
Start	826	End	6834
GI	none	Score	80
Exons	826..999, 866..997, 1114..1200, 1513..1590, 1687..1791, 6499..6621, 6506..6631, 6676..6741, 6677..6742, 6757..6834		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6637	Strand	-
Start	6502	End	7070
Name	OJ990402_10.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	847	End	6834
GI	none	Score	76
Exons	847..999, 866..994, 1108..1200, 1513..1590, 1672..1791, 6490..6621, 6506..6631, 6653..6742, 6697..6741, 6745..6834, 6758..6799		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6637	Strand	-
Start	6502	End	7070

Name	OJ990402_10.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	860	End	6957
GI	none	Score	110
Exons	860..1012, 862..1011, 1030..1191, 1030..1200, 1034..1201, 1219..1305, 1220..1306, 6502..6621, 6509..6643, 6566..6631, 6661..6834, 6665..6835, 6874..6957, 6875..6943, 6892..6957		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6637	Strand	-
Start	6502	End	7070
Name	OJ990402_10.0103.C17.o1.gp	Method	AAT/GAP
Start	6336	End	6859
GI	3760985	Score	926
Exons	6336..6859		
GI Descrip.	3850579 3.0e-14 (AC005278) Strong similarity to gb_D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb_H37281, gb_T44167, gb_T21813, gb_N38437, gb_Z26470, gb_R65072, gb_N76373, gb_F15470, gb_Z35182, gb_H76373, gb_Z34678 an		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6637	Strand	-
Start	6502	End	7070
Name	OJ990402_10.0103.C17.o3.gs	Method	GENSCAN
Start	6502	End	7014
GI	none	Score	.92
Exons	6502..7014		

Seq. No.	3093	Seq. ID	OJ990402_10.0103.C17
Gene No.	6637	Strand	-
Start	6502	End	7070
Name	OJ990402_10.0103.C17.o2.np	Method	AAT/NAP
Start	6505	End	7070
GI	3850580	Score	257
Exons	6505..7070		
GI Descrip.	(AC005278) Strong similarity to gb|D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb|84105 and gb|AI100071 come from this gene. [Arabidopsis thaliana]		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6638	Strand	+
Start	5202	End	5606
Name	OJ990402_10.0103.C18.o4.gp	Method	AAT/GAP
Start	5202	End	5606
GI	uC-osrocyp008g08a1	Score	719
Exons	5202..5606		
GI Descrip.	'285741/dbj|BAA03413| 2.0e-15 (D14550) EDGP precursor [Daucus carota]'		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6639	Strand	-
Start	49	End	515
Name	OJ990402_10.0103.C18.o1.gs	Method	GENSCAN
Start	49	End	495
GI	none	Score	.79
Exons	49..495		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6639	Strand	-
Start	49	End	515
Name	OJ990402_10.0103.C18.o1.gp	Method	AAT/GAP
Start	217	End	515
GI	287003	Score	574
Exons	217..515		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6640	Strand	-
Start	2011	End	3324
Name	OJ990402_10.0103.C18.o2.gp	Method	AAT/GAP
Start	1870	End	2188
GI	none	Score	590
Exons	1870..2188		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6640	Strand	-
Start	2011	End	3324
Name	OJ990402_10.0103.C18.o2.gs	Method	GENSCAN
Start	2011	End	3270
GI	none	Score	1
Exons	2011..3270		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6640	Strand	-
Start	2011	End	3324
Name	OJ990402_10.0103.C18.o3.gp	Method	AAT/GAP
Start	2300	End	3324
GI	24706_1.R1084	Score	1952
Exons	2300..3324		
GI Descrip.	'285741/dbj|BAA03413| 8.0e-19 (D14550) EDGP precursor [Daucus carota]'		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6641	Strand	-
Start	5329	End	6095
Name	OJ990402_10.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	283	End	6093
GI	none	Score	40
Exons	283..324, 319..399, 2017..2142, 2245..2367, 2615..2644, 2663..2761, 2812..2943, 2873..2944, 5341..5502, 5342..5506, 5509..5553, 5572..5691, 5573..5656, 5971..6093		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6641	Strand	-
Start	5329	End	6095
Name	OJ990402_10.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	2008	End	6093
GI	none	Score	128
Exons	2008..2049, 2065..2163, 2173..2229, 2830..2943, 5341..5553, 5342..5554, 5572..5685, 5974..6093		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6641	Strand	-
Start	5329	End	6095
Name	OJ990402_10.0103.C18.o1.tm	Method	TBLASTX:Maize

Start	2023	End	5757
GI	none	Score	78
Exons	2023..2046, 2063..2146, 2068..2148, 2173..2358, 2177..2353, 2380..2448, 2381..2437, 5341..5463, 5342..5464, 5449..5673, 5450..5656, 5677..5757, 5678..5743		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6641	Strand	-
Start	5329	End	6095
Name	OJ990402_10.0103.C18.o3.gs	Method	GENSCAN
Start	5329	End	6078
GI	none	Score	1
Exons	5329..6078		

Seq. No.	3094	Seq. ID	OJ990402_10.0103.C18
Gene No.	6641	Strand	-
Start	5329	End	6095
Name	OJ990402_10.0103.C18.o1.np	Method	AAT/NAP
Start	5335	End	6095
GI	285741	Score	405
Exons	5335..6095		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6642	Strand	+
Start	2345	End	2534
Name	OJ990402_10.0103.C19.o2.gp	Method	AAT/GAP
Start	2345	End	2534
GI	3766626	Score	211
Exons	2345..2534		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6643	Strand	-
Start	63	End	1698
Name	OJ990402_10.0103.C19.o1.gs	Method	GENSCAN
Start	63	End	1698
GI	none	Score	.78
Exons	63..292, 772..859, 1169..1288, 1658..1698		

Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6644	Strand	-
Start	1868	End	2305
Name	OJ990402_10.0103.C19.o1.gp	Method	AAT/GAP
Start	1868	End	2305
GI	uC-osrocyp008b05b1	Score	827
Exons	1868..2305		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6645	Strand	-
Start	2543	End	4687
Name	OJ990402_10.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	1814	End	4252
GI	none	Score	151

Exons	1814..1900, 1814..1906, 1892..2005, 1922..2014, 1922..2014, 2136..2339, 2211..2336, 2217..2342, 3497..3595, 3572..3784, 3575..3859, 3629..3952, 3941..4216, 3944..4252, 3986..4243		
Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6645	Strand	-
Start	2543	End	4687
Name	OJ990402_10.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	1892	End	4342
GI	none	Score	99
Exons	1892..2008, 2139..2282, 2145..2336, 2214..2330, 3479..3784, 3485..3691, 3512..3718, 3524..3661, 3665..3856, 3665..3787, 3677..3796, 3734..3793, 3809..4036, 3809..3940, 3836..3997, 3878..4132, 3881..4015, 3941..4069, 4022..4204, 4022..4132, 4067..4162, 4073..4342, 4082..4255, 4121..4285, 4157..4321		
Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6645	Strand	-
Start	2543	End	4687
Name	OJ990402_10.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	2142	End	4243
GI	none	Score	151
Exons	2142..2339, 2145..2309, 2211..2336, 2561..2665, 3575..3814, 3584..3760, 3635..3937, 3941..4183, 3944..4243		
Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6645	Strand	-
Start	2543	End	4687
Name	OJ990402_10.0103.C19.o2.gs	Method	GENSCAN
Start	2543	End	4687
GI	none	Score	.61
Exons	2543..4687		
Seq. No.	3095	Seq. ID	OJ990402_10.0103.C19
Gene No.	6645	Strand	-
Start	2543	End	4687
Name	OJ990402_10.0103.C19.o1.np	Method	AAT/NAP
Start	3446	End	4476
GI	6598711	Score	317
Exons	3446..4476		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6646	Strand	+
Start	15121	End	17742
Name	OJ990402_10.0103.C20.o2.gs	Method	GENSCAN
Start	15121	End	17742
GI	none	Score	.92
Exons	15121..16070, 16150..16530, 16777..17044, 17701..17742		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6647	Strand	+
Start	18378	End	19003
Name	OJ990402_10.0103.C20.o3.gs	Method	GENSCAN
Start	18378	End	19003
GI	none	Score	.78

Exons	18378..19003		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6648	Strand	-
Start	451	End	13832
Name	OJ990402_10.0103.C20.o1.gs	Method	GENSCAN
Start	451	End	13832
GI	none	Score	.46
Exons	451..465, 585..1748, 2019..2345, 3256..3347, 3522..3637, 4449..4550, 4894..5006, 5027..5204, 6315..7324, 7643..7769, 8134..8954, 9507..9719, 10798..11961, 12261..12612, 13057..13258, 13757..13832		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6648	Strand	-
Start	451	End	13832
Name	OJ990402_10.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	1101	End	11676
GI	none	Score	62
Exons	1101..1397, 1371..1463, 11110..11178, 11314..11610, 11584..11676		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6648	Strand	-
Start	451	End	13832
Name	OJ990402_10.0103.C20.o2.ts	Method	TBLASTX:Soybean
Start	6002	End	9233
GI	none	Score	62
Exons	6002..6202, 6005..6151, 6143..6394, 6227..6529, 6434..6595, 6656..6748, 6800..7114, 6866..7171, 6929..7258, 7031..7306, 7076..7426, 7154..7450, 7298..7603, 7448..7684, 8472..8567, 8565..8849, 8592..8918, 8664..8939, 8671..8877, 8895..9233, 8940..9206, 8940..8999		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6648	Strand	-
Start	451	End	13832
Name	OJ990402_10.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	6005	End	9260
GI	none	Score	69
Exons	6005..6145, 6005..6100, 6008..6148, 6059..6130, 6080..6202, 6081..6188, 6158..6370, 6158..6235, 6159..6278, 6167..6457, 6167..6316, 6177..6236, 6182..6244, 6182..6286, 6201..6470, 6215..6535, 6285..6470, 6287..6499, 6287..6604, 6291..6614, 6294..6608, 6435..6758, 6438..6746, 6575..6889, 6579..6782, 6583..6882, 6653..6748, 6656..6955, 6719..7000, 6797..7027, 6797..6892, 6800..7111, 6801..7028, 6822..6902, 6863..7069, 6863..7180, 6935..7189, 7007..7324, 7011..7193, 7019..7321, 7079..7378, 7128..7190, 7151..7462, 7232..7516, 7248..7457, 7254..7334, 7295..7609, 7299..7583, 7439..7627, 7511..7681, 8565..8825, 8604..8897, 8667..8927, 8940..9173, 8952..9260		
Seq. No.	3096	Seq. ID	OJ990402_10.0103.C20
Gene No.	6648	Strand	-
Start	451	End	13832
Name	OJ990402_10.0103.C20.o1.tc	Method	TBLASTX:Cress
Start	6245	End	9434
GI	none	Score	81

Exons	6245..6307, 6332..6538, 6347..6484, 6656..6826, 7061..7189, 7067..7258, 7355..7546, 7355..7474, 8472..8681, 8481..8774, 8502..8708, 8655..8846, 8655..8777, 8868..9110, 8869..9111, 8871..9005, 8934..9059, 9012..9194, 9012..9107, 9072..9245, 9084..9341, 9144..9275, 9402..9434		

Seq. No.	3097	Seq. ID	OJ990402_10.0103.C21
Gene No.	6649	Strand	+
Start	1	End	7478
Name	OJ990402_10.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	6569
GI	5420387	Score	158
Exons	1..109, 2191..2634, 6285..6569		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	3097	Seq. ID	OJ990402_10.0103.C21
Gene No.	6649	Strand	+
Start	1	End	7478
Name	OJ990402_10.0103.C21.o1.gs	Method	GENSCAN
Start	73	End	3915
GI	none	Score	.44
Exons	73..638, 1542..1642, 1754..1878, 2139..2675, 2711..2800, 3131..3203, 3237..3410, 3514..3915		

Seq. No.	3097	Seq. ID	OJ990402_10.0103.C21
Gene No.	6649	Strand	+
Start	1	End	7478
Name	OJ990402_10.0103.C21.o3.gs	Method	GENSCAN
Start	6173	End	7478
GI	none	Score	.49
Exons	6173..6551, 6580..7478		

Seq. No.	3097	Seq. ID	OJ990402_10.0103.C21
Gene No.	6650	Strand	+
Start	9341	End	9817
Name	OJ990402_10.0103.C21.o4.gs	Method	GENSCAN
Start	9341	End	9817
GI	none	Score	.89
Exons	9341..9817		

Seq. No.	3097	Seq. ID	OJ990402_10.0103.C21
Gene No.	6651	Strand	-
Start	4792	End	5064
Name	OJ990402_10.0103.C21.o2.gs	Method	GENSCAN
Start	4792	End	5064
GI	none	Score	.48
Exons	4792..5064		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6652	Strand	+
Start	1422	End	4193
Name	OJ990402_10.0103.C22.o1.gs	Method	GENSCAN
Start	1422	End	4172
GI	none	Score	1
Exons	1422..4172		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22

Gene No.	6652	Strand	+
Start	1422	End	4193
Name	OJ990402_10.0103.C22.o1.np	Method	AAT/NAP
Start	1671	End	4193
GI	2828297	Score	1534
Exons	1671..2933, 2991..4193		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6653	Strand	+
Start	4721	End	6184
Name	OJ990402_10.0103.C22.o2.gs	Method	GENSCAN
Start	4721	End	6184
GI	none	Score	.84
Exons	4721..4796, 5718..6184		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6653	Strand	+
Start	4721	End	6184
Name	OJ990402_10.0103.C22.o2.np	Method	AAT/NAP
Start	5843	End	6184
GI	1346875	Score	340
Exons	5843..6184		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER W PROTEIN gi|1185169|emb|CAA91652| (Z67753) PSII, protein W, 13 kDa [Odontella sinensis]		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6654	Strand	+
Start	11147	End	17113
Name	OJ990402_10.0103.C22.o4.gs	Method	GENSCAN
Start	11147	End	17113
GI	none	Score	.8
Exons	11147..11391, 11698..11835, 11930..12067, 12385..12574, 13860..13911, 13993..14118, 14231..14313, 14572..14754, 15165..15501, 15871..16014, 16106..16191, 16822..16912, 16980..17113		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6654	Strand	+
Start	11147	End	17113
Name	OJ990402_10.0103.C22.o3.np	Method	AAT/NAP
Start	11214	End	16217
GI	3924594	Score	1024
Exons	11214..11391, 12492..12574, 13860..13911, 13993..14118, 14234..14313, 14572..14754, 15162..15486, 15871..16014, 16106..16217		
GI Descrip.	(AF069442) putative ribonucleoprotein [Arabidopsis thaliana] gi|4262139|gb|AAD14439| (AC005275) putative ribonucleoprotein [Arabidopsis thaliana]		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6654	Strand	+
Start	11147	End	17113
Name	OJ990402_10.0103.C22.o2.gp	Method	AAT/GAP
Start	13872	End	14746
GI	LIB3434-028-P1-K1-C6	Score	762

Exons	13872..13911, 13993..14118, 14231..14313, 14572..14746		
GI Descrip.	'3924594 3.0e-47 (AF069442) putative ribonucleoprotein [Arabidopsis thaliana] >gi_4262139_gb_AAD14439_ (AC005275) putative ribonucleoprotein [Arabidopsis thaliana]'		
Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6655	Strand	+
Start	17817	End	19150
Name	OJ990402_10.0103.C22.o5.gs	Method	GENSCAN
Start	17817	End	19150
GI	none	Score	.43
Exons	17817..17866, 18751..19150		
Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6656	Strand	-
Start	5939	End	6313
Name	OJ990402_10.0103.C22.o1.gp	Method	AAT/GAP
Start	5939	End	6313
GI	LIB3431-020-P1-N1-C11	Score	742
Exons	5939..6313		
GI Descrip.	'1346875/sp|P49508|PSBW_ODOSI 2.0e-21 PHOTOSYSTEM II REACTION CENTER W PROTEIN >gi_1185169_emb_CAA91652_ (Z67753) PSII, protein W, 13 kDa [Odontella sinensis]'		
Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6657	Strand	-
Start	17352	End	17446
Name	OJ990402_10.0103.C22.o3.gp	Method	AAT/GAP
Start	17352	End	17446
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	17352..17446		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o2.tc	Method	TBLASTX:Cress
Start	1674	End	3932
GI	none	Score	88
Exons	1674..1904, 1767..1886, 1884..2189, 1917..2189, 1967..2149, 2025..2264, 2196..2252, 2331..2507, 2337..2537, 2376..2501, 2493..2579, 2505..2612, 2607..2771, 2625..2747, 2643..2723, 2682..2762, 2685..2753, 2775..2978, 3030..3176, 3036..3383, 3198..3407, 3294..3419, 3381..3494, 3411..3713, 3416..3685, 3453..3656, 3720..3839, 3740..3835, 3840..3932		
Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	1719	End	4154
GI	none	Score	82
Exons	1719..1889, 1722..1877, 1728..1970, 1773..2192, 1869..1904, 1908..2261, 1917..2252, 1920..2192, 1929..2129, 2006..2137, 2490..2711, 2511..2612, 2514..2612, 2516..2593, 2517..2606,		

2619..2924, 2640..2753, 2640..2756, 2657..2743, 2834..3013,
3132..3419, 3135..3416, 3420..4154, 3453..3749, 3462..3665,
3482..3799

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o1.tw	Method	TBLASTX:Wheat
Start	1908	End	3857
GI	none	Score	154
Exons	1908..2252, 2178..2255, 2322..2510, 2511..2582, 2514..2609, 2634..2762, 3126..3422, 3384..3419, 3420..3857, 3432..3842		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o3.ts	Method	TBLASTX:Soybean
Start	3719	End	4157
GI	none	Score	313
Exons	3719..3934, 3720..4157		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o1.ts	Method	TBLASTX:Soybean
Start	5749	End	6183
GI	none	Score	558
Exons	5749..6183, 5756..6181		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o1.tc	Method	TBLASTX:Cress
Start	5831	End	6181
GI	none	Score	44
Exons	5831..5875, 5833..5892, 5867..6181, 5869..6180		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o8.tm	Method	TBLASTX:Maize
Start	5836	End	5974
GI	none	Score	197
Exons	5836..5973, 5837..5974		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o4.tm	Method	TBLASTX:Maize
Start	5977	End	6203
GI	none	Score	334
Exons	5977..6180, 5978..6178, 5981..6196, 6135..6203		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o4.ts	Method	TBLASTX:Soybean

Start	11255	End	14096
GI	none	Score	197
Exons	11255..11392, 11256..11393, 11268..11354, 12490..12573, 12491..12574, 13828..13911, 13859..13924, 13860..13910, 13861..13911, 13990..14085, 13991..14086, 13992..14087, 13992..14087, 13993..14088, 13998..14096		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o3.tc	Method	TBLASTX:Cress
Start	11259	End	16012
GI	none	Score	76
Exons	11259..11390, 15855..16010, 15869..16012		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o5.tm	Method	TBLASTX:Maize
Start	11268	End	15306
GI	none	Score	71
Exons	11268..11393, 13878..13910, 13880..13924, 13991..14116, 13992..14117, 13995..14120, 13996..14124, 14223..14318, 14230..14313, 14570..14749, 14571..14750, 14572..14754, 14701..14754, 15150..15194, 15162..15197, 15164..15196, 15194..15304, 15195..15305, 15198..15305, 15199..15306		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o3.tm	Method	TBLASTX:Maize
Start	15306	End	16387
GI	none	Score	152
Exons	15306..15434, 15308..15457, 15308..15457, 15461..15502, 15864..16016, 15869..16015, 15873..16016, 16104..16175, 16105..16236, 16105..16236, 16288..16317, 16326..16382, 16343..16387		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o2.ts	Method	TBLASTX:Soybean
Start	15864	End	16218
GI	none	Score	223
Exons	15864..16016, 15869..16015, 16099..16218, 16105..16212		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o6.gs	Method	GENSCAN
Start	19405	End	24811
GI	none	Score	.74
Exons	19405..20158, 20667..21039, 22890..23574, 24290..24403, 24734..24811		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-

Start	19405	End	24855
Name	OJ990402_10.0103.C22.o4.gp	Method	AAT/GAP
Start	21626	End	21950
GI	none	Score	634
Exons	21626..21950		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o2.tm	Method	TBLASTX:Maize
Start	23152	End	24349
GI	none	Score	72
Exons	23152..23187, 23176..23259, 23179..23241, 23243..23290, 23267..23434, 23304..23435, 23410..23544, 23419..23568, 23426..23575, 23426..23581, 23550..23594, 24290..24349		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o4.np	Method	AAT/NAP
Start	23289	End	24844
GI	4874269	Score	283
Exons	23289..23574, 24290..24661, 24734..24844		
GI Descrip.	(AC007354) T16B5.7 [Arabidopsis thaliana] gi|6573742|gb|AAF17662.1|AC009398_11 (AC009398) F20B24.21 [Arabidopsis thaliana]		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o6.tm	Method	TBLASTX:Maize
Start	24350	End	24569
GI	none	Score	215
Exons	24350..24565, 24351..24569, 24357..24569		

Seq. No.	3098	Seq. ID	OJ990402_10.0103.C22
Gene No.	6658	Strand	-
Start	19405	End	24855
Name	OJ990402_10.0103.C22.o7.tm	Method	TBLASTX:Maize
Start	24575	End	24855
GI	none	Score	70
Exons	24575..24631, 24575..24637, 24576..24671, 24731..24844, 24731..24844, 24732..24845, 24736..24855, 24736..24846		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6659	Strand	+
Start	562	End	9511
Name	OJ990402_10.0103.C23.o1.gs	Method	GENSCAN
Start	562	End	9307
GI	none	Score	.47
Exons	562..1090, 3024..3067, 3152..3354, 4224..4476, 5262..5291, 6586..6660, 6885..7004, 7861..7942, 8747..8877, 8918..9307		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6659	Strand	+
Start	562	End	9511
Name	OJ990402_10.0103.C23.o1.np	Method	AAT/NAP

Start	6930	End	9304
GI	6752882	Score	601
Exons	6930..7004, 7858..7942, 8756..8877, 8975..9304		
GI Descrip.	(AF220200) nascent polypeptide associated complex alpha chain [Pinus taeda]		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6659	Strand	+
Start	562	End	9511
Name	OJ990402_10.0103.C23.o1.gp	Method	AAT/GAP
Start	8756	End	9511
GI	15027_1.R1084	Score	1281
Exons	8756..8877, 8975..9511		
GI Descrip.	'4539408/emb|CAB40041.1| 1.0e-47 (AL049524) putative alpha NAC [Arabidopsis thaliana]'		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6660	Strand	+
Start	12693	End	15273
Name	OJ990402_10.0103.C23.o2.gp	Method	AAT/GAP
Start	12693	End	13113
GI	uC-osflM202037d11b1	Score	751
Exons	12693..13113		
GI Descrip.	'1805654/emb|CAA68234| 1.0e-17 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6660	Strand	+
Start	12693	End	15273
Name	OJ990402_10.0103.C23.o2.np	Method	AAT/NAP
Start	12909	End	15273
GI	6735312	Score	119
Exons	12909..13082, 15253..15273		
GI Descrip.	(AL137080) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6661	Strand	-
Start	10124	End	10675
Name	OJ990402_10.0103.C23.o1.ts	Method	TBLASTX:Soybean
Start	6951	End	9309
GI	none	Score	67
Exons	6951..7001, 8746..8937, 8755..8877, 8969..9067, 8971..9123, 8975..9169, 9140..9295, 9143..9307, 9208..9309		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6661	Strand	-
Start	10124	End	10675
Name	OJ990402_10.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	8746	End	9313
GI	none	Score	122
Exons	8746..8937, 8758..8880, 8971..9117, 8975..9178, 9155..9313, 9158..9307		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6661	Strand	-
Start	10124	End	10675

Name	OJ990402_10.0103.C23.o1.tw	Method	TBLASTX:Wheat
Start	8750	End	9298
GI	none	Score	121
Exons	8750..8875, 8752..8937, 8752..8877, 8969..9067, 8971..9123, 8975..9169, 9107..9169, 9143..9298, 9155..9298		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6661	Strand	-
Start	10124	End	10675
Name	OJ990402_10.0103.C23.o1.tc	Method	TBLASTX:Cress
Start	8794	End	9307
GI	none	Score	59
Exons	8794..8877, 8795..8875, 8809..8937, 8971..9123, 8975..9154, 9155..9298, 9158..9307		

Seq. No.	3099	Seq. ID	OJ990402_10.0103.C23
Gene No.	6661	Strand	-
Start	10124	End	10675
Name	OJ990402_10.0103.C23.o2.gs	Method	GENSCAN
Start	10124	End	10675
GI	none	Score	.5
Exons	10124..10675		

Seq. No.	3100	Seq. ID	OJ990402_10.0103.C26
Gene No.	6662	Strand	-
Start	431	End	585
Name	OJ990402_10.0103.C26.o1.gp	Method	AAT/GAP
Start	431	End	585
GI	9317_1.R1084	Score	242
Exons	431..585		
GI Descrip.	'2511570/emb|CAA73617.1| 2.0e-18 (Y13174) multicatalytic endopeptidase [Arabidopsis thaliana]'		

Seq. No.	3100	Seq. ID	OJ990402_10.0103.C26
Gene No.	6662	Strand	-
Start	431	End	585
Name	OJ990402_10.0103.C26.o1.gs	Method	GENSCAN
Start	433	End	508
GI	none	Score	.58
Exons	433..508		

Seq. No.	3101	Seq. ID	OJ990402_10.0103.C27
Gene No.	6663	Strand	-
Start	9	End	281
Name	OJ990402_10.0103.C27.o1.gs	Method	GENSCAN
Start	9	End	281
GI	none	Score	.5
Exons	9..138, 206..281		

Seq. No.	3102	Seq. ID	OJ990922_10.0128.C1
Gene No.	6664	Strand	-
Start	28	End	150
Name	OJ990922_10.0128.C1.o1.gs	Method	GENSCAN
Start	28	End	150
GI	none	Score	.91
Exons	28..150		

Seq. No.	3103	Seq. ID	OJ990922_10.0128.C2
Gene No.	6665	Strand	+
Start	323	End	460
Name	OJ990922_10.0128.C2.o1.gs	Method	GENSCAN
Start	323	End	460
GI	none	Score	.44
Exons	323..460		

Seq. No.	3103	Seq. ID	OJ990922_10.0128.C2
Gene No.	6666	Strand	-
Start	86	End	744
Name	OJ990922_10.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	3	End	732
GI	none	Score	436
Exons	3..32, 73..186, 75..557, 89..595, 300..599, 553..732, 557..727, 577..729		

Seq. No.	3103	Seq. ID	OJ990922_10.0128.C2
Gene No.	6666	Strand	-
Start	86	End	744
Name	OJ990922_10.0128.C2.o1.np	Method	AAT/NAP
Start	86	End	744
GI	6630685	Score	898
Exons	86..744		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	3103	Seq. ID	OJ990922_10.0128.C2
Gene No.	6666	Strand	-
Start	86	End	744
Name	OJ990922_10.0128.C2.o1.ts	Method	TBLASTX:Soybean
Start	101	End	729
GI	none	Score	71
Exons	101..325, 150..296, 359..553, 359..562, 366..566, 577..729, 580..729		

Seq. No.	3103	Seq. ID	OJ990922_10.0128.C2
Gene No.	6666	Strand	-
Start	86	End	744
Name	OJ990922_10.0128.C2.o1.tc	Method	TBLASTX:Cress
Start	104	End	565
GI	none	Score	71
Exons	104..331, 335..469, 473..565		

Seq. No.	3103	Seq. ID	OJ990922_10.0128.C2
Gene No.	6666	Strand	-
Start	86	End	744
Name	OJ990922_10.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	137	End	553
GI	none	Score	51
Exons	137..325, 149..268, 344..553, 348..449		

Seq. No.	3104	Seq. ID	OJ990922_10.0128.C4
Gene No.	6667	Strand	-
Start	273	End	758
Name	OJ990922_10.0128.C4.o1.gs	Method	GENSCAN
Start	273	End	758

GI	none	Score	.92
Exons	273..424, 750..758		

Seq. No.	3105	Seq. ID	OJ990922_10.0128.C5
Gene No.	6668	Strand	-
Start	1	End	3057
Name	OJ990922_10.0128.C5.o1.np	Method	AAT/NAP
Start	1	End	3057
GI	5852176	Score	1860
Exons	1..254, 343..546, 1431..1652, 1728..2258, 2913..3057		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	3105	Seq. ID	OJ990922_10.0128.C5
Gene No.	6668	Strand	-
Start	1	End	3057
Name	OJ990922_10.0128.C5.o1.gs	Method	GENSCAN
Start	343	End	2415
GI	none	Score	.43
Exons	343..546, 620..1301, 1396..1652, 1728..2415		

Seq. No.	3105	Seq. ID	OJ990922_10.0128.C5
Gene No.	6668	Strand	-
Start	1	End	3057
Name	OJ990922_10.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	612	End	2355
GI	none	Score	67
Exons	612..1025, 1065..1292, 1123..1290, 1429..1656, 2242..2355		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6669	Strand	+
Start	16	End	438
Name	OJ990922_10.0128.C6.o1.gs	Method	GENSCAN
Start	16	End	438
GI	none	Score	.61
Exons	16..438		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6670	Strand	+
Start	2787	End	7106
Name	OJ990922_10.0128.C6.o3.gs	Method	GENSCAN
Start	2787	End	6928
GI	none	Score	.81
Exons	2787..2901, 3011..3430, 5029..5125, 5788..5881, 5985..6113, 6534..6696, 6915..6928		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6670	Strand	+
Start	2787	End	7106
Name	OJ990922_10.0128.C6.o1.gp	Method	AAT/GAP
Start	3285	End	7106
GI	551_1.R1084	Score	1477
Exons	3285..3430, 5126..5261, 5611..5684, 5788..5882, 5985..6113, 6233..6393, 6505..6594, 7020..7106		
GI Descrip.	'729205/sp|Q06397|CR18_ORYSA 1.0e-93 18 KD COLD-INDUCED PROTEIN >gi_287397_dbj_BAA01631_ (D10860) chilling tolerance related protein [Oryza sativa] >gi_445132_prf__1908434B chilling tolerance-related protein:ISOTYPE=pBC442 [Oryza sativa]'		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6670	Strand	+
Start	2787	End	7106
Name	OJ990922_10.0128.C6.o1.np	Method	AAT/NAP
Start	5613	End	6396
GI	729205	Score	654
Exons	5613..5684, 5789..5895, 5995..6113, 6233..6396		
GI Descrip.	18 KD COLD-INDUCED PROTEIN gi|287397|dbj|BAA01631| (D10860) chilling tolerance related protein [Oryza sativa] gi|445132|prf||1908434B chilling tolerance-related protein:ISOTYPE=pBC442 [Oryza sativa]		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6671	Strand	+
Start	9035	End	10173
Name	OJ990922_10.0128.C6.o4.gs	Method	GENSCAN
Start	9035	End	10173
GI	none	Score	.49
Exons	9035..9724, 9862..10173		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	5080	End	6631
GI	none	Score	193
Exons	5080..5262, 5126..5263, 5127..5264, 5566..5685, 5613..5684, 5785..5883, 5789..5884, 5811..5891, 5975..6112, 5988..6113, 5988..6113, 5989..6114, 6227..6415, 6228..6374, 6232..6393, 6499..6561, 6506..6568, 6560..6631, 6573..6623		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	5127	End	5884
GI	none	Score	143
Exons	5127..5264, 5129..5257, 5608..5685, 5610..5684, 5785..5865, 5789..5884, 5789..5869		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	5127	End	6367
GI	none	Score	105
Exons	5127..5264, 5584..5685, 5785..5889, 5789..5896, 5988..6113, 5993..6103, 6041..6121, 6216..6278, 6227..6367, 6235..6366		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o5.gs	Method	GENSCAN
Start	10907	End	18770
GI	none	Score	.44
Exons	10907..11343, 11450..11521, 11558..11667, 12336..12406,		

12490..12646, 12745..13102, 14362..14658, 14810..14928,
15132..15156, 16888..16943, 18697..18770

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o3.np	Method	AAT/NAP
Start	11379	End	14642
GI	4646203	Score	377
Exons	11379..11505, 11610..11698, 11790..11888, 12424..12652, 12745..13211, 13292..13424, 14553..14642		
GI Descrip.	(AC007230) Belongs to PF|00026 Eukaryotic aspartyl protease family. [Arabidopsis thaliana]		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o2.np	Method	AAT/NAP
Start	11784	End	15408
GI	6850312	Score	387
Exons	11784..11883, 12336..12388, 12478..12652, 12745..13211, 13292..13424, 15336..15408		
GI Descrip.	(AC009999) Contains similarity to nucellin from Hordeum vulgare gb|U87148. ESTs gb|T22068, gb|F14251, gb|F14237, gb|F14242 come from this gene. [Arabidopsis thaliana]		

Seq. No.	3106	Seq. ID	OJ990922_10.0128.C6
Gene No.	6672	Strand	-
Start	10907	End	18770
Name	OJ990922_10.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	12756	End	13420
GI	none	Score	91
Exons	12756..12923, 12760..12936, 12966..13208, 13304..13420		

Seq. No.	3107	Seq. ID	OJ990922_10.0128.C7
Gene No.	6673	Strand	-
Start	1674	End	1871
Name	OJ990922_10.0128.C7.o1.gs	Method	GENSCAN
Start	1674	End	1871
GI	none	Score	.64
Exons	1674..1871		

Seq. No.	3108	Seq. ID	OJ990922_10.0128.C10
Gene No.	6674	Strand	+
Start	1713	End	1991
Name	OJ990922_10.0128.C10.o1.gs	Method	GENSCAN
Start	1713	End	1991
GI	none	Score	.54
Exons	1713..1991		

Seq. No.	3109	Seq. ID	OJ990922_10.0128.C11
Gene No.	6675	Strand	+
Start	8370	End	9251
Name	OJ990922_10.0128.C11.o3.gs	Method	GENSCAN
Start	8370	End	9251
GI	none	Score	.67
Exons	8370..8435, 8490..8601, 8857..9251		

Seq. No.	3109	Seq. ID	OJ990922_10.0128.C11
Gene No.	6676	Strand	+
Start	14365	End	16482
Name	OJ990922_10.0128.C11.o2.np	Method	AAT/NAP
Start	14365	End	16482
GI	854065	Score	96
Exons	14365..14417, 16048..16125, 16463..16482		
GI Descrip.	(X83413) U88 [Human herpesvirus 6]		

Seq. No.	3109	Seq. ID	OJ990922_10.0128.C11
Gene No.	6677	Strand	-
Start	5651	End	7200
Name	OJ990922_10.0128.C11.o2.gs	Method	GENSCAN
Start	5651	End	7200
GI	none	Score	.61
Exons	5651..6700, 6787..7200		

Seq. No.	3109	Seq. ID	OJ990922_10.0128.C11
Gene No.	6677	Strand	-
Start	5651	End	7200
Name	OJ990922_10.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	5657	End	5954
GI	none	Score	51
Exons	5657..5812, 5724..5804, 5870..5950, 5871..5954		

Seq. No.	3109	Seq. ID	OJ990922_10.0128.C11
Gene No.	6677	Strand	-
Start	5651	End	7200
Name	OJ990922_10.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	5801	End	6271
GI	none	Score	102
Exons	5801..5842, 5870..5947, 5871..5960, 5954..6127, 5994..6032, 6018..6107, 6134..6271		

Seq. No.	3109	Seq. ID	OJ990922_10.0128.C11
Gene No.	6677	Strand	-
Start	5651	End	7200
Name	OJ990922_10.0128.C11.o1.np	Method	AAT/NAP
Start	6001	End	6719
GI	6498435	Score	991
Exons	6001..6719		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6678	Strand	+
Start	2590	End	3607
Name	OJ990922_10.0128.C12.o2.gs	Method	GENSCAN
Start	2590	End	3607
GI	none	Score	.82
Exons	2590..2685, 2846..3005, 3429..3607		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6679	Strand	+
Start	13344	End	18094
Name	OJ990922_10.0128.C12.o1.np	Method	AAT/NAP
Start	13344	End	18094

GI	6594672	Score	1218
Exons	13344..13460, 14589..14743, 15943..16093, 16234..16413, 16594..16668, 16761..16916, 17021..17119, 17227..17357, 17577..17658, 17756..18094		
GI Descrip.	(AF118132) chloroplast outer envelope hexokinase 1 [Spinacia oleracea]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6679	Strand	+
Start	13344	End	18094
Name	OJ990922_10.0128.C12.o4.gs	Method	GENSCAN
Start	14556	End	18085
GI	none	Score	.96
Exons	14556..14743, 14841..14951, 15943..16093, 16234..16413, 16594..16668, 16761..16916, 17227..17357, 17577..17658, 17756..18085		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6679	Strand	+
Start	13344	End	18094
Name	OJ990922_10.0128.C12.o1.gp	Method	AAT/GAP
Start	14559	End	16035
GI	3090454	Score	477
Exons	14559..14743, 15943..16035		
GI Descrip.	2833378/sp|Q42525|HXK_ARATH 1.0e-13 HEXOKINASE >gi_619928 (U18754) hexokinase [Arabidopsis thaliana] >gi_1582383_prf__2118367A hexokinase [Arabidopsis thaliana]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6680	Strand	+
Start	22907	End	23110
Name	OJ990922_10.0128.C12.o4.gp	Method	AAT/GAP
Start	22907	End	23110
GI	4138298	Score	260
Exons	22907..23110		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6681	Strand	+
Start	33648	End	34919
Name	OJ990922_10.0128.C12.o7.gs	Method	GENSCAN
Start	33648	End	34798
GI	none	Score	.8
Exons	33648..33722, 34685..34798		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6681	Strand	+
Start	33648	End	34919
Name	OJ990922_10.0128.C12.o5.np	Method	AAT/NAP
Start	33661	End	34919
GI	5922620	Score	234
Exons	33661..33695, 34080..34410, 34457..34648, 34685..34919		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6682	Strand	-
Start	714	End	1037
Name	OJ990922_10.0128.C12.o1.gs	Method	GENSCAN
Start	714	End	1037
GI	none	Score	.69
Exons	714..1037		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6683	Strand	-
Start	3913	End	10490
Name	OJ990922_10.0128.C12.o3.gs	Method	GENSCAN
Start	3913	End	10490
GI	none	Score	.73
Exons	3913..4284, 4367..4438, 4903..4979, 5319..5339, 7716..7955, 10063..10228, 10482..10490		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6684	Strand	-
Start	18879	End	27127
Name	OJ990922_10.0128.C12.o2.gp	Method	AAT/GAP
Start	18729	End	19597
GI	426360	Score	612
Exons	18729..18952, 19038..19128, 19561..19597		
GI Descrip.	2511570/emb|CAA73617.1| 2.0e-18 (Y13174) multicatalytic endopeptidase [Arabidopsis thaliana]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6684	Strand	-
Start	18879	End	27127
Name	OJ990922_10.0128.C12.o5.gs	Method	GENSCAN
Start	18879	End	27127
GI	none	Score	.81
Exons	18879..18952, 19038..19128, 19561..19659, 19802..19906, 19991..20060, 20171..20267, 20408..20527, 21037..21183, 21621..21729, 24473..24536, 24620..24791, 24888..25189, 25266..25329, 26187..26358, 26458..26586, 26673..26777, 26897..27127		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6684	Strand	-
Start	18879	End	27127
Name	OJ990922_10.0128.C12.o2.np	Method	AAT/NAP
Start	18882	End	21180
GI	3421104	Score	948
Exons	18882..18949, 19038..19128, 19561..19659, 19802..19906, 19991..20060, 20171..20267, 20408..20549, 21037..21180		
GI Descrip.	(AF043531) 20S proteasome beta subunit PBB2 [Arabidopsis thaliana]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6684	Strand	-
Start	18879	End	27127
Name	OJ990922_10.0128.C12.o3.gp	Method	AAT/GAP
Start	19601	End	21766

GI	17849_1.R1084	Score	1369
Exons	19601..19659, 19802..19906, 19991..20060, 20171..20267, 20408..20549, 21037..21183, 21621..21766		
GI Descrip.	'2833378/sp|Q42525|HXK_ARATH 1.0e-13 HEXOKINASE >gi_619928 (U18754) hexokinase [Arabidopsis thaliana] >gi_1582383_prf__2118367A hexokinase [Arabidopsis thaliana]'		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6684	Strand	-
Start	18879	End	27127
Name	OJ990922_10.0128.C12.o3.np	Method	AAT/NAP
Start	23485	End	25136
GI	4093155	Score	289
Exons	23485..23532, 24485..24536, 24620..24736, 24869..25136		
GI Descrip.	(AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6684	Strand	-
Start	18879	End	27127
Name	OJ990922_10.0128.C12.o5.gp	Method	AAT/GAP
Start	25115	End	25751
GI	427507	Score	708
Exons	25115..25145, 25268..25329, 25450..25751		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6685	Strand	-
Start	31513	End	33332
Name	OJ990922_10.0128.C12.o6.gs	Method	GENSCAN
Start	31513	End	33332
GI	none	Score	.92
Exons	31513..31619, 32957..32977, 33257..33332		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o1.tc	Method	TBLASTX:Cress
Start	14607	End	18079
GI	none	Score	98
Exons	14607..14744, 15941..16078, 15946..16095, 15947..16090, 16228..16284, 16308..16415, 16309..16416, 16575..16673, 16594..16674, 16761..16919, 16761..16916, 16763..16927, 17020..17118, 17021..17119, 17224..17358, 17226..17357, 17569..17661, 17574..17660, 17753..17893, 17764..17874, 17894..18079, 17896..18033		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o1.ts	Method	TBLASTX:Soybean
Start	14607	End	18079
GI	none	Score	78
Exons	14607..14744, 15938..16084, 15946..16089, 15947..16090, 16228..16284, 16304..16387, 16308..16412, 16308..16415, 16309..16416, 16312..16446, 16593..16673, 16594..16674, 16761..16919, 16761..16916, 16763..16927, 17020..17118, 17021..17119, 17224..17358, 17226..17357, 17569..17661,		

17569..17634, 17753..17875, 17753..17806, 17764..17874,
17884..18033, 17885..18079, 17930..18079

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	14616	End	18076
GI	none	Score	73
Exons	14616..14744, 15946..16089, 15947..16090, 15947..16090, 16228..16293, 16233..16286, 16308..16415, 16309..16416, 16575..16673, 16594..16674, 16761..16919, 16763..16954, 17020..17118, 17021..17119, 17224..17358, 17226..17357, 17568..17651, 17569..17649, 17756..17875, 17761..17871, 17897..18076, 17902..18033		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o2.tw	Method	TBLASTX:Wheat
Start	16593	End	16864
GI	none	Score	113
Exons	16593..16673, 16594..16674, 16752..16856, 16760..16864, 16761..16862		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o2.tm	Method	TBLASTX:Maize
Start	18867	End	21189
GI	none	Score	164
Exons	18867..18899, 18897..18950, 19039..19131, 19040..19129, 19561..19650, 19561..19659, 19787..19903, 19794..19907, 19803..19904, 19988..20083, 19989..20066, 20168..20269, 20185..20268, 20405..20554, 20409..20549, 21035..21178, 21037..21189, 21037..21177		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o2.tc	Method	TBLASTX:Cress
Start	18876	End	21163
GI	none	Score	80
Exons	18876..18899, 18900..18968, 19048..19131, 19049..19132, 19552..19659, 19561..19650, 19787..19903, 19794..19901, 19808..19903, 19988..20065, 19988..20110, 19992..20084, 20171..20269, 20185..20268, 20404..20550, 20409..20549, 20420..20551, 20445..20561, 21037..21162, 21041..21163		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o2.ts	Method	TBLASTX:Soybean
Start	19793	End	21177
GI	none	Score	127
Exons	19793..19903, 19794..19904, 19797..19904, 19988..20083, 19992..20084, 20171..20269, 20185..20268, 20409..20549,		

20410..20550, 21037..21177, 21041..21163

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o1.tw	Method	TBLASTX:Wheat
Start	20180	End	21193
GI	none	Score	107
Exons	20180..20269, 20185..20268, 20186..20269, 20405..20554, 20409..20549, 21040..21186, 21040..21177, 21050..21193		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o3.tc	Method	TBLASTX:Cress
Start	24619	End	25147
GI	none	Score	62
Exons	24619..24693, 24883..25005, 24962..25006, 25084..25131, 25109..25147		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o3.ts	Method	TBLASTX:Soybean
Start	24622	End	25147
GI	none	Score	61
Exons	24622..24693, 24883..25005, 24962..25006, 25057..25134, 25112..25147		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o3.tm	Method	TBLASTX:Maize
Start	24640	End	25555
GI	none	Score	73
Exons	24640..24705, 24640..24705, 24685..24738, 24883..25005, 24886..25023, 25084..25149, 25109..25138, 25266..25307, 25456..25506, 25511..25555		

Seq. No.	3110	Seq. ID	OJ990922_10.0128.C12
Gene No.	6686	Strand	-
Start	33522	End	34866
Name	OJ990922_10.0128.C12.o4.np	Method	AAT/NAP
Start	33522	End	34866
GI	6630699	Score	69
Exons	33522..33605, 34826..34866		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3111	Seq. ID	OJ990922_10.0128.C14
Gene No.	6687	Strand	+
Start	1	End	568
Name	OJ990922_10.0128.C14.o1.np	Method	AAT/NAP
Start	1	End	568
GI	6633833	Score	200
Exons	1..331, 535..568		

GI Descrip. (AC009519) F1N19.4 [Arabidopsis thaliana]

Seq. No.	3111	Seq. ID	OJ990922_10.0128.C14
Gene No.	6687	Strand	+
Start	1	End	568
Name	OJ990922_10.0128.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	567
GI	none	Score	418
Exons	1..186, 2..379, 3..350, 185..373, 305..439, 385..432, 433..528, 434..544, 531..563, 532..567		

Seq. No.	3111	Seq. ID	OJ990922_10.0128.C14
Gene No.	6687	Strand	+
Start	1	End	568
Name	OJ990922_10.0128.C14.o1.tc	Method	TBLASTX:Cress
Start	2	End	355
GI	none	Score	147
Exons	2..169, 8..139, 191..355		

Seq. No.	3111	Seq. ID	OJ990922_10.0128.C14
Gene No.	6687	Strand	+
Start	1	End	568
Name	OJ990922_10.0128.C14.o1.gs	Method	GENSCAN
Start	76	End	559
GI	none	Score	.52
Exons	76..559		

Seq. No.	3111	Seq. ID	OJ990922_10.0128.C14
Gene No.	6687	Strand	+
Start	1	End	568
Name	OJ990922_10.0128.C14.o1.gp	Method	AAT/GAP
Start	140	End	568
GI	5607405	Score	847
Exons	140..568		
GI Descrip.	4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]		

Seq. No.	3112	Seq. ID	OJ990922_10.0128.C18
Gene No.	6688	Strand	+
Start	13	End	258
Name	OJ990922_10.0128.C18.o1.gp	Method	AAT/GAP
Start	13	End	258
GI	2428323	Score	406
Exons	13..258		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	3113	Seq. ID	OJ990922_10.0128.C19
Gene No.	6689	Strand	+
Start	1	End	187
Name	OJ990922_10.0128.C19.o1.np	Method	AAT/NAP
Start	1	End	187
GI	4680203	Score	245
Exons	1..187		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3113	Seq. ID	OJ990922_10.0128.C19
Gene No.	6689	Strand	+
Start	1	End	187
Name	OJ990922_10.0128.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	164
GI	none	Score	203
Exons	2..160, 3..164		

Seq. No.	3113	Seq. ID	OJ990922_10.0128.C19
Gene No.	6689	Strand	+
Start	1	End	187
Name	OJ990922_10.0128.C19.o1.tw	Method	TBLASTX:Wheat
Start	5	End	179
GI	none	Score	174
Exons	5..163, 6..164, 6..179		

Seq. No.	3114	Seq. ID	OJ990922_10.0128.C21
Gene No.	6690	Strand	+
Start	1197	End	1298
Name	OJ990922_10.0128.C21.o1.gp	Method	AAT/GAP
Start	1197	End	1298
GI	1631463	Score	174
Exons	1197..1298		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	3114	Seq. ID	OJ990922_10.0128.C21
Gene No.	6691	Strand	-
Start	493	End	1298
Name	OJ990922_10.0128.C21.o1.np	Method	AAT/NAP
Start	493	End	1298
GI	4680183	Score	239
Exons	493..582, 1192..1298		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3115	Seq. ID	OJ990922_10.0128.C22
Gene No.	6692	Strand	-
Start	90	End	557
Name	OJ990922_10.0128.C22.o1.gs	Method	GENSCAN
Start	90	End	464
GI	none	Score	.93
Exons	90..464		

Seq. No.	3115	Seq. ID	OJ990922_10.0128.C22
Gene No.	6692	Strand	-
Start	90	End	557
Name	OJ990922_10.0128.C22.o1.np	Method	AAT/NAP
Start	141	End	557
GI	4835245	Score	265
Exons	141..211, 296..557		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	3115	Seq. ID	OJ990922_10.0128.C22
Gene No.	6692	Strand	-
Start	90	End	557
Name	OJ990922_10.0128.C22.o1.tm	Method	TBLASTX:Maize

Start	282	End	557
GI	none	Score	151
Exons	282..557, 406..555		

Seq. No.	3115	Seq. ID	OJ990922_10.0128.C22
Gene No.	6692	Strand	-
Start	90	End	557
Name	OJ990922_10.0128.C22.o1.ts	Method	TBLASTX:Soybean
Start	297	End	557
GI	none	Score	130
Exons	297..557, 397..549, 438..557		

Seq. No.	3115	Seq. ID	OJ990922_10.0128.C22
Gene No.	6692	Strand	-
Start	90	End	557
Name	OJ990922_10.0128.C22.o1.tc	Method	TBLASTX:Cress
Start	306	End	557
GI	none	Score	85
Exons	306..557, 435..551		

Seq. No.	3115	Seq. ID	OJ990922_10.0128.C22
Gene No.	6692	Strand	-
Start	90	End	557
Name	OJ990922_10.0128.C22.o1.tw	Method	TBLASTX:Wheat
Start	306	End	551
GI	none	Score	91
Exons	306..548, 435..551		

Seq. No.	3116	Seq. ID	OJ990922_10.0128.C23
Gene No.	6693	Strand	+
Start	1	End	1657
Name	OJ990922_10.0128.C23.o1.np	Method	AAT/NAP
Start	1	End	1657
GI	4680186	Score	231
Exons	1..37, 1450..1657		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3116	Seq. ID	OJ990922_10.0128.C23
Gene No.	6694	Strand	-
Start	1204	End	1586
Name	OJ990922_10.0128.C23.o1.gp	Method	AAT/GAP
Start	1204	End	1586
GI	uC-osflcyp033a04b1	Score	688
Exons	1204..1586		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3116	Seq. ID	OJ990922_10.0128.C23
Gene No.	6695	Strand	-
Start	2052	End	2569
Name	OJ990922_10.0128.C23.o2.np	Method	AAT/NAP
Start	2052	End	2569
GI	6907087	Score	141
Exons	2052..2153, 2534..2569		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3117	Seq. ID	OJ990922_10.0128.C24
Gene No.	6696	Strand	+
Start	1	End	1209
Name	OJ990922_10.0128.C24.o1.gp	Method	AAT/GAP
Start	1	End	1209
GI	342_1.R1084	Score	2030
Exons	1..1209		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3117	Seq. ID	OJ990922_10.0128.C24
Gene No.	6696	Strand	+
Start	1	End	1209
Name	OJ990922_10.0128.C24.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	4680203	Score	971
Exons	1..1000		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3117	Seq. ID	OJ990922_10.0128.C24
Gene No.	6696	Strand	+
Start	1	End	1209
Name	OJ990922_10.0128.C24.o1.tc	Method	TBLASTX:Cress
Start	2	End	366
GI	none	Score	226
Exons	2..361, 3..365, 3..365, 115..366		

Seq. No.	3117	Seq. ID	OJ990922_10.0128.C24
Gene No.	6696	Strand	+
Start	1	End	1209
Name	OJ990922_10.0128.C24.o1.tw	Method	TBLASTX:Wheat
Start	2	End	946
GI	none	Score	342
Exons	2..484, 3..500, 115..549, 487..531, 542..586, 542..586, 589..684, 590..652, 631..771, 632..772, 700..780, 785..865, 854..946, 880..945		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o1.np	Method	AAT/NAP
Start	1	End	714
GI	4680179	Score	1255
Exons	1..714		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	375
GI	none	Score	131
Exons	1..375, 2..334		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-

Start	1	End	714
Name	OJ990922_10.0128.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	231
GI	none	Score	121
Exons	1..231, 2..226		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o1.tc	Method	TBLASTX:Cress
Start	1	End	312
GI	none	Score	81
Exons	1..138, 2..136, 139..312		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o1.tw	Method	TBLASTX:Wheat
Start	19	End	546
GI	none	Score	315
Exons	19..546, 20..427, 52..465		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o1.gs	Method	GENSCAN
Start	29	End	645
GI	none	Score	.49
Exons	29..645		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o2.tm	Method	TBLASTX:Maize
Start	586	End	714
GI	none	Score	57
Exons	586..714, 590..631		

Seq. No.	3118	Seq. ID	OJ990922_10.0128.C25
Gene No.	6697	Strand	-
Start	1	End	714
Name	OJ990922_10.0128.C25.o2.tw	Method	TBLASTX:Wheat
Start	586	End	714
GI	none	Score	85
Exons	586..708, 586..714, 668..712		

Seq. No.	3119	Seq. ID	OJ990922_10.0128.C26
Gene No.	6698	Strand	+
Start	1	End	473
Name	OJ990922_10.0128.C26.o1.np	Method	AAT/NAP
Start	1	End	473
GI	6907087	Score	394
Exons	1..473		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3120	Seq. ID	OJ990922_10.0128.C27
Gene No.	6699	Strand	-
Start	1	End	611
Name	OJ990922_10.0128.C27.o1.np	Method	AAT/NAP
Start	1	End	611
GI	4680179	Score	1039
Exons	1..611		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3120	Seq. ID	OJ990922_10.0128.C27
Gene No.	6699	Strand	-
Start	1	End	611
Name	OJ990922_10.0128.C27.o2.tw	Method	TBLASTX:Wheat
Start	1	End	180
GI	none	Score	60
Exons	1..153, 1..180		

Seq. No.	3120	Seq. ID	OJ990922_10.0128.C27
Gene No.	6699	Strand	-
Start	1	End	611
Name	OJ990922_10.0128.C27.o1.tm	Method	TBLASTX:Maize
Start	28	End	610
GI	none	Score	264
Exons	28..468, 41..466, 466..609, 473..610		

Seq. No.	3120	Seq. ID	OJ990922_10.0128.C27
Gene No.	6699	Strand	-
Start	1	End	611
Name	OJ990922_10.0128.C27.o1.gs	Method	GENSCAN
Start	49	End	552
GI	none	Score	.97
Exons	49..552		

Seq. No.	3120	Seq. ID	OJ990922_10.0128.C27
Gene No.	6699	Strand	-
Start	1	End	611
Name	OJ990922_10.0128.C27.o1.tw	Method	TBLASTX:Wheat
Start	181	End	609
GI	none	Score	263
Exons	181..609, 182..601, 460..603		

Seq. No.	3121	Seq. ID	OJ990922_10.0128.C29
Gene No.	6700	Strand	+
Start	61	End	362
Name	OJ990922_10.0128.C29.o1.gs	Method	GENSCAN
Start	61	End	362
GI	none	Score	.97
Exons	61..362		

Seq. No.	3121	Seq. ID	OJ990922_10.0128.C29
Gene No.	6701	Strand	-
Start	25	End	366
Name	OJ990922_10.0128.C29.o1.np	Method	AAT/NAP
Start	25	End	366
GI	6907087	Score	118
Exons	25..123, 225..366		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a		

region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	3122	Seq. ID	OJ990922_10.0128.C30
Gene No.	6702	Strand	-
Start	217	End	743
Name	OJ990922_10.0128.C30.o1.np	Method	AAT/NAP
Start	217	End	743
GI	6721559	Score	242
Exons	217..356, 385..743		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3122	Seq. ID	OJ990922_10.0128.C30
Gene No.	6702	Strand	-
Start	217	End	743
Name	OJ990922_10.0128.C30.o1.gs	Method	GENSCAN
Start	405	End	724
GI	none	Score	.53
Exons	405..724		

Seq. No.	3123	Seq. ID	OJ990922_10.0128.C31
Gene No.	6703	Strand	-
Start	109	End	759
Name	OJ990922_10.0128.C31.o1.np	Method	AAT/NAP
Start	109	End	759
GI	5042454	Score	128
Exons	109..335, 720..759		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3124	Seq. ID	OJ990322_04.0128.C1
Gene No.	6704	Strand	-
Start	1	End	612
Name	OJ990322_04.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	142
GI	5441880	Score	150
Exons	1..142		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3124	Seq. ID	OJ990322_04.0128.C1
Gene No.	6704	Strand	-
Start	1	End	612
Name	OJ990322_04.0128.C1.o1.gs	Method	GENSCAN
Start	13	End	612
GI	none	Score	.82
Exons	13..274, 407..612		

Seq. No.	3125	Seq. ID	OJ990322_04.0128.C2
Gene No.	6705	Strand	
Start	945	End	1220
Name	OJ990322_04.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	945	End	1220
GI	none	Score	62
Exons	945..1046, 948..1028, 1041..1220, 1126..1203		

Seq. No.	3126	Seq. ID	OJ990322_04.0128.C3
Gene No.	6706	Strand	+
Start	359	End	489
Name	OJ990322_04.0128.C3.o1.gs	Method	GENSCAN
Start	359	End	489
GI	none	Score	.79
Exons	359..489		

Seq. No.	3127	Seq. ID	OJ990322_04.0128.C5
Gene No.	6707	Strand	+
Start	119	End	446
Name	OJ990322_04.0128.C5.o1.gs	Method	GENSCAN
Start	119	End	446
GI	none	Score	.68
Exons	119..220, 331..446		

Seq. No.	3128	Seq. ID	OJ990322_04.0128.C6
Gene No.	6708	Strand	-
Start	1422	End	1581
Name	OJ990322_04.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	8	End	144
GI	none	Score	99
Exons	8..139, 16..144		

Seq. No.	3128	Seq. ID	OJ990322_04.0128.C6
Gene No.	6708	Strand	-
Start	1422	End	1581
Name	OJ990322_04.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	263	End	632
GI	none	Score	105
Exons	263..541, 264..629, 264..632		

Seq. No.	3128	Seq. ID	OJ990322_04.0128.C6
Gene No.	6708	Strand	-
Start	1422	End	1581
Name	OJ990322_04.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	357	End	822
GI	none	Score	37
Exons	357..395, 456..821, 463..495, 610..822, 617..781, 640..822		

Seq. No.	3128	Seq. ID	OJ990322_04.0128.C6
Gene No.	6708	Strand	-
Start	1422	End	1581
Name	OJ990322_04.0128.C6.o1.gs	Method	GENSCAN
Start	1422	End	1581
GI	none	Score	.61
Exons	1422..1581		

Seq. No.	3129	Seq. ID	OJ990322_04.0128.C7
Gene No.	6709	Strand	+
Start	299	End	1993
Name	OJ990322_04.0128.C7.o1.gs	Method	GENSCAN
Start	299	End	1993
GI	none	Score	.44
Exons	299..349, 1917..1993		

Seq. No.	3129	Seq. ID	OJ990322_04.0128.C7
Gene No.	6710	Strand	-
Start	4502	End	6151
Name	OJ990322_04.0128.C7.o1.np	Method	AAT/NAP
Start	4502	End	6151
GI	6016874	Score	339
Exons	4502..4533, 5897..6151		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	3130	Seq. ID	OJ990322_04.0128.C8
Gene No.	6711	Strand	+
Start	999	End	1462
Name	OJ990322_04.0128.C8.o1.np	Method	AAT/NAP
Start	543	End	1462
GI	5668793	Score	248
Exons	543..642, 741..804, 1046..1262, 1425..1462		
GI Descrip.	(AC007519) Similar to gb|U39782 lysine and histidine specific transporter from Arabidopsis thaliana. EST gb|Z17527 comes from this gene.		

Seq. No.	3130	Seq. ID	OJ990322_04.0128.C8
Gene No.	6711	Strand	+
Start	999	End	1462
Name	OJ990322_04.0128.C8.o2.gs	Method	GENSCAN
Start	999	End	1367
GI	none	Score	.46
Exons	999..1258, 1352..1367		

Seq. No.	3130	Seq. ID	OJ990322_04.0128.C8
Gene No.	6712	Strand	-
Start	59	End	132
Name	OJ990322_04.0128.C8.o1.gs	Method	GENSCAN
Start	59	End	132
GI	none	Score	.54
Exons	59..132		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6713	Strand	+
Start	1	End	4762
Name	OJ990322_04.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	3424
GI	5668793	Score	1704
Exons	1..132, 1484..1617, 2174..2601, 2704..2835, 2939..3424		
GI Descrip.	(AC007519) Similar to gb|U39782 lysine and histidine specific transporter from Arabidopsis thaliana. EST gb|Z17527 comes from this gene.		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6713	Strand	+
Start	1	End	4762
Name	OJ990322_04.0128.C9.o2.np	Method	AAT/NAP
Start	1	End	4762
GI	5262156	Score	156
Exons	1..81, 2363..2431, 4496..4762		
GI Descrip.	(AL080237) putative protein [Arabidopsis thaliana]		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6713	Strand	+
Start	1	End	4762
Name	OJ990322_04.0128.C9.o1.gs	Method	GENSCAN
Start	1484	End	3427
GI	none	Score	.57
Exons	1484..1617, 2228..2601, 2939..3427		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	1484	End	1627
GI	none	Score	229
Exons	1484..1627, 1485..1622		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	2196	End	3280
GI	none	Score	71
Exons	2196..2459, 2197..2601, 2205..2597, 2701..2835, 2706..2831, 2947..3267, 2948..3184, 3248..3280		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	2281	End	3115
GI	none	Score	424
Exons	2281..2601, 2281..2469, 2283..2597, 2700..2831, 2701..2835, 2706..2831, 2939..2968, 2951..3067, 2971..3075, 2972..3076, 3050..3115, 3067..3111		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	2469	End	2835
GI	none	Score	116
Exons	2469..2603, 2469..2600, 2470..2619, 2471..2602, 2699..2833, 2700..2834, 2701..2835, 2702..2833, 2703..2834		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	3008	End	3130
GI	none	Score	191
Exons	3008..3130, 3013..3123		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o2.tm	Method	TBLASTX:Maize

Start	3131	End	3418
GI	none	Score	89
Exons	3131..3184, 3131..3295, 3136..3417, 3136..3417, 3248..3418		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o2.gs	Method	GENSCAN
Start	4269	End	5649
GI	none	Score	.61
Exons	4269..4285, 5330..5421, 5555..5649		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	4495	End	4709
GI	none	Score	227
Exons	4495..4671, 4495..4677, 4497..4709		

Seq. No.	3131	Seq. ID	OJ990322_04.0128.C9
Gene No.	6714	Strand	-
Start	4269	End	5649
Name	OJ990322_04.0128.C9.o3.ts	Method	TBLASTX:Soybean
Start	4495	End	4700
GI	none	Score	219
Exons	4495..4680, 4496..4681, 4497..4700		

Seq. No.	3132	Seq. ID	OJ990322_04.0128.C10
Gene No.	6715	Strand	+
Start	64	End	110
Name	OJ990322_04.0128.C10.o1.gs	Method	GENSCAN
Start	64	End	110
GI	none	Score	.96
Exons	64..110		

Seq. No.	3133	Seq. ID	OJ990322_04.0128.C15
Gene No.	6716	Strand	-
Start	63	End	544
Name	OJ990322_04.0128.C15.o1.np	Method	AAT/NAP
Start	63	End	544
GI	5852084	Score	89
Exons	63..146, 460..544		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	3134	Seq. ID	OJ990322_04.0128.C16
Gene No.	6717	Strand	+
Start	135	End	305
Name	OJ990322_04.0128.C16.o1.gs	Method	GENSCAN
Start	135	End	305
GI	none	Score	.93
Exons	135..305		

Seq. No.	3134	Seq. ID	OJ990322_04.0128.C16
Gene No.	6718	Strand	-
Start	730	End	1288
Name	OJ990322_04.0128.C16.o2.gs	Method	GENSCAN

Start	730	End	1288
GI	none	Score	.93
Exons	730..882, 968..1288		

Seq. No.	3135	Seq. ID	OJ990322_04.0128.C17
Gene No.	6719	Strand	-
Start	66	End	870
Name	OJ990322_04.0128.C17.o1.gs	Method	GENSCAN
Start	66	End	747
GI	none	Score	.78
Exons	66..173, 266..527, 632..747		

Seq. No.	3135	Seq. ID	OJ990322_04.0128.C17
Gene No.	6719	Strand	-
Start	66	End	870
Name	OJ990322_04.0128.C17.o1.np	Method	AAT/NAP
Start	266	End	870
GI	5441880	Score	386
Exons	266..527, 632..870		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3136	Seq. ID	OJ990322_04.0128.C18
Gene No.	6720	Strand	-
Start	307	End	489
Name	OJ990322_04.0128.C18.o1.gs	Method	GENSCAN
Start	307	End	489
GI	none	Score	.79
Exons	307..489		

Seq. No.	3137	Seq. ID	OJ990322_04.0128.C19
Gene No.	6721	Strand	+
Start	409	End	3731
Name	OJ990322_04.0128.C19.o1.np	Method	AAT/NAP
Start	409	End	3731
GI	6721512	Score	97
Exons	409..434, 2313..2432, 3125..3209, 3692..3731		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3137	Seq. ID	OJ990322_04.0128.C19
Gene No.	6721	Strand	+
Start	409	End	3731
Name	OJ990322_04.0128.C19.o1.gs	Method	GENSCAN
Start	1254	End	2494
GI	none	Score	.74
Exons	1254..1263, 1567..1688, 2092..2266, 2328..2494		

Seq. No.	3138	Seq. ID	OJ990322_04.0128.C20
Gene No.	6722	Strand	+
Start	742	End	1094
Name	OJ990322_04.0128.C20.o1.gs	Method	GENSCAN
Start	742	End	1094
GI	none	Score	.5
Exons	742..912, 954..1094		

Seq. No.	3139	Seq. ID	OJ990322_04.0128.C21

Gene No.	6723	Strand	+
Start	807	End	2353
Name	OJ990322_04.0128.C21.o1.gs	Method	GENSCAN
Start	807	End	2116
GI	none	Score	.47
Exons	807..817, 1097..1411, 1881..2116		

Seq. No.	3139	Seq. ID	OJ990322_04.0128.C21
Gene No.	6723	Strand	+
Start	807	End	2353
Name	OJ990322_04.0128.C21.o1.tc	Method	TBLASTX:Cress
Start	1918	End	2119
GI	none	Score	216
Exons	1918..2115, 1929..2021, 2051..2119		

Seq. No.	3139	Seq. ID	OJ990322_04.0128.C21
Gene No.	6723	Strand	+
Start	807	End	2353
Name	OJ990322_04.0128.C21.o1.np	Method	AAT/NAP
Start	1924	End	2353
GI	4581114	Score	181
Exons	1924..2116, 2335..2353		
GI Descrip.	(AC005825) putative HesB-like protein [Arabidopsis thaliana]		

Seq. No.	3139	Seq. ID	OJ990322_04.0128.C21
Gene No.	6723	Strand	+
Start	807	End	2353
Name	OJ990322_04.0128.C21.o1.ts	Method	TBLASTX:Soybean
Start	1924	End	2115
GI	none	Score	214
Exons	1924..2115		

Seq. No.	3139	Seq. ID	OJ990322_04.0128.C21
Gene No.	6723	Strand	+
Start	807	End	2353
Name	OJ990322_04.0128.C21.o1.tm	Method	TBLASTX:Maize
Start	1963	End	2115
GI	none	Score	203
Exons	1963..2115		

Seq. No.	3139	Seq. ID	OJ990322_04.0128.C21
Gene No.	6723	Strand	+
Start	807	End	2353
Name	OJ990322_04.0128.C21.o1.gp	Method	AAT/GAP
Start	1977	End	2116
GI	1156_1.R1084	Score	250
Exons	1977..2116		
GI Descrip.	'4582488/emb|CAB40377.1| 6.0e-28 (AL021768) putative protein [Arabidopsis thaliana]'		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6724	Strand	+
Start	99	End	2153
Name	OJ990322_04.0128.C22.o1.np	Method	AAT/NAP
Start	99	End	1817
GI	4581114	Score	448
Exons	99..291, 1528..1645, 1718..1817		

GI Descrip. (AC005825) putative HesB-like protein [Arabidopsis thaliana]

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6724	Strand	+
Start	99	End	2153
Name	OJ990322_04.0128.C22.o1.gs	Method	GENSCAN
Start	102	End	2153
GI	none	Score	.88
Exons	102..291, 1528..1645, 2027..2153		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6724	Strand	+
Start	99	End	2153
Name	OJ990322_04.0128.C22.o1.gp	Method	AAT/GAP
Start	152	End	2078
GI	1156_1.R1084	Score	1185
Exons	152..291, 1528..1645, 1718..2078		

GI Descrip. '4582488/emb|CAB40377.1| 6.0e-28 (AL021768) putative protein [Arabidopsis thaliana]'

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o1.tc	Method	TBLASTX:Cress
Start	93	End	1790
GI	none	Score	216
Exons	93..290, 104..196, 226..294, 1479..1643, 1509..1646, 1586..1645, 1715..1783, 1716..1790		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o1.ts	Method	TBLASTX:Soybean
Start	99	End	1787
GI	none	Score	214
Exons	99..290, 1509..1646, 1527..1640, 1586..1645, 1715..1783, 1716..1787		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o3.tm	Method	TBLASTX:Maize
Start	138	End	1637
GI	none	Score	203
Exons	138..290, 1509..1637, 1527..1637		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o2.np	Method	AAT/NAP
Start	716	End	9876
GI	4582488	Score	923
Exons	716..782, 3438..4107, 4168..4256, 6181..6332, 6416..6591, 7252..7394, 9591..9876		

GI Descrip. (AL021768) putative protein [Arabidopsis thaliana]

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22

Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o2.gp	Method	AAT/GAP
Start	2757	End	3038
GI	3759154	Score	467
Exons	2757..3038		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o2.gs	Method	GENSCAN
Start	3001	End	9867
GI	none	Score	.81
Exons	3001..3206, 3411..4256, 6181..6332, 6416..6591, 7252..7386, 9028..9109, 9641..9867		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o1.tm	Method	TBLASTX:Maize
Start	3526	End	6544
GI	none	Score	43
Exons	3526..3645, 3528..3638, 3615..3698, 3622..3804, 3742..3804, 3804..3899, 3966..4082, 3967..4080, 3987..4082, 3988..4083, 4127..4261, 4129..4263, 6173..6343, 6182..6331, 6415..6450, 6415..6459, 6417..6458, 6463..6543, 6463..6543, 6467..6544		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o3.gp	Method	AAT/GAP
Start	6243	End	6506
GI	3106565	Score	342
Exons	6243..6332, 6416..6506		
GI Descrip.	4582488/emb|CAB40377.1| 6.0e-28 (AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o2.ts	Method	TBLASTX:Soybean
Start	6281	End	6594
GI	none	Score	51
Exons	6281..6331, 6300..6332, 6385..6594, 6416..6592, 6417..6593, 6418..6594		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o2.tm	Method	TBLASTX:Maize
Start	6544	End	9870
GI	none	Score	65
Exons	6544..6594, 6545..6592, 7250..7387, 7252..7389, 7263..7391, 9005..9109, 9028..9108, 9632..9859, 9640..9870, 9641..9862		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-

Start	716	End	9876
Name	OJ990322_04.0128.C22.o2.tc	Method	TBLASTX:Cress
Start	9610	End	9777
GI	none	Score	148
Exons	9610..9777, 9632..9772		

Seq. No.	3140	Seq. ID	OJ990322_04.0128.C22
Gene No.	6725	Strand	-
Start	716	End	9876
Name	OJ990322_04.0128.C22.o3.ts	Method	TBLASTX:Soybean
Start	9649	End	9870
GI	none	Score	144
Exons	9649..9771, 9650..9787, 9790..9870		

Seq. No.	3141	Seq. ID	OJ990322_04.0128.C23
Gene No.	6726	Strand	-
Start	17	End	1222
Name	OJ990322_04.0128.C23.o1.gs	Method	GENSCAN
Start	17	End	1222
GI	none	Score	.81
Exons	17..96, 465..608, 1180..1222		

Seq. No.	3142	Seq. ID	OJ990322_04.0128.C24
Gene No.	6727	Strand	+
Start	466	End	1846
Name	OJ990322_04.0128.C24.o1.gs	Method	GENSCAN
Start	466	End	1846
GI	none	Score	.51
Exons	466..523, 1569..1846		

Seq. No.	3142	Seq. ID	OJ990322_04.0128.C24
Gene No.	6728	Strand	-
Start	2307	End	3476
Name	OJ990322_04.0128.C24.o2.gs	Method	GENSCAN
Start	2307	End	3476
GI	none	Score	.76
Exons	2307..2525, 3214..3298, 3361..3476		

Seq. No.	3142	Seq. ID	OJ990322_04.0128.C24
Gene No.	6729	Strand	-
Start	4048	End	4471
Name	OJ990322_04.0128.C24.o1.gp	Method	AAT/GAP
Start	4048	End	4471
GI	2311833	Score	793
Exons	4048..4471		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6730	Strand	+
Start	12109	End	20825
Name	OJ990322_04.0128.C25.o3.np	Method	AAT/NAP
Start	12109	End	14170
GI	6721561	Score	138
Exons	12109..12213, 13968..14170		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6730	Strand	+
Start	12109	End	20825
Name	OJ990322_04.0128.C25.o1.gp	Method	AAT/GAP
Start	12706	End	12795
GI	uC-osflcyp088b12b1	Score	125
Exons	12706..12795		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6730	Strand	+
Start	12109	End	20825
Name	OJ990322_04.0128.C25.o4.np	Method	AAT/NAP
Start	12839	End	20825
GI	2583127	Score	1083
Exons	12839..13088, 14249..14345, 14596..14666, 14748..14844, 15267..15357, 16004..16053, 17888..18078, 18197..18282, 18877..18910, 18985..19068, 19159..19273, 19595..19683, 20684..20825		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6730	Strand	+
Start	12109	End	20825
Name	OJ990322_04.0128.C25.o2.gp	Method	AAT/GAP
Start	15263	End	17972
GI	LIB3431-009-P1-K1-A12	Score	351
Exons	15263..15357, 16004..16053, 17888..17972		
GI Descrip.	'2583127 1.0e-26 (AC002387) putative sialoglycoprotease [Arabidopsis thaliana]'		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6731	Strand	-
Start	9873	End	14360
Name	OJ990322_04.0128.C25.o1.np	Method	AAT/NAP
Start	9873	End	14360
GI	6815109	Score	372
Exons	9873..10134, 10169..11121, 11189..11293, 12133..12206, 14098..14360		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6731	Strand	-
Start	9873	End	14360
Name	OJ990322_04.0128.C25.o2.np	Method	AAT/NAP
Start	11987	End	12076
GI	4680183	Score	130
Exons	11987..12076		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6732	Strand	
Start	15260	End	18063

Name	OJ990322_04.0128.C25.o1.tm	Method	TBLASTX:Maize
Start	15260	End	18063
GI	none	Score	143
Exons	15260..15358, 15264..15356, 15265..15372, 15266..15358, 16001..16054, 16002..16055, 17875..18063, 17883..17924, 17887..18063		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6733	Strand	
Start	18829	End	19059
Name	OJ990322_04.0128.C25.o3.tm	Method	TBLASTX:Maize
Start	18829	End	19059
GI	none	Score	100
Exons	18829..18909, 18830..18910, 18836..18913, 18967..19053, 18977..19054, 18981..19058, 18982..19059, 18984..19058		

Seq. No.	3143	Seq. ID	OJ990322_04.0128.C25
Gene No.	6734	Strand	
Start	20680	End	20835
Name	OJ990322_04.0128.C25.o2.tm	Method	TBLASTX:Maize
Start	20680	End	20835
GI	none	Score	190
Exons	20680..20835, 20681..20818		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6735	Strand	+
Start	87	End	188
Name	OJ990322_04.0128.C26.o1.gs	Method	GENSCAN
Start	87	End	188
GI	none	Score	.82
Exons	87..188		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6736	Strand	+
Start	10531	End	13488
Name	OJ990322_04.0128.C26.o3.gs	Method	GENSCAN
Start	10531	End	13488
GI	none	Score	.45
Exons	10531..10554, 10906..11035, 12403..12506, 13261..13488		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6736	Strand	+
Start	10531	End	13488
Name	OJ990322_04.0128.C26.o3.np	Method	AAT/NAP
Start	11972	End	13485
GI	4469025	Score	441
Exons	11972..12033, 12350..12506, 13261..13485		
GI Descrip.	(AL035602) putative protein [Arabidopsis thaliana]		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6736	Strand	+
Start	10531	End	13488
Name	OJ990322_04.0128.C26.o1.gp	Method	AAT/GAP
Start	12037	End	13396
GI	17652_2.R1084	Score	692
Exons	12037..12146, 12365..12506, 13261..13396		
GI Descrip.	'4469025/emb|CAB38286| 1.0e-30 (AL035602) putative protein		

[Arabidopsis thaliana]'

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6737	Strand	+
Start	14670	End	15149
Name	OJ990322_04.0128.C26.o4.gs	Method	GENSCAN
Start	14670	End	15149
GI	none	Score	.93
Exons	14670..14748, 15091..15149		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o1.np	Method	AAT/NAP
Start	101	End	6327
GI	3445201	Score	353
Exons	101..160, 3313..3515, 4159..4327, 6301..6327		
GI Descrip.	(AC004786) unknown protein [Arabidopsis thaliana]		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o2.gs	Method	GENSCAN
Start	1792	End	10134
GI	none	Score	.78
Exons	1792..2443, 3212..3515, 4135..4365, 4601..4693, 5033..5139, 5174..5259, 7879..8070, 8411..8487, 8589..9466, 9748..9808, 9890..10016, 10096..10134		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o2.tc	Method	TBLASTX:Cress
Start	3316	End	3484
GI	none	Score	76
Exons	3316..3474, 3343..3483, 3344..3484		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o2.ts	Method	TBLASTX:Soybean
Start	3342	End	4316
GI	none	Score	76
Exons	3342..3449, 3343..3513, 3344..3514, 4193..4315, 4194..4316		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o3.tm	Method	TBLASTX:Maize
Start	3349	End	4325
GI	none	Score	280
Exons	3349..3558, 3350..3520, 4172..4318, 4191..4325		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o1.tw	Method	TBLASTX:Wheat

Start	6124	End	6489
GI	none	Score	87
Exons	6124..6282, 6124..6489		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o4.tm	Method	TBLASTX:Maize
Start	6229	End	6587
GI	none	Score	73
Exons	6229..6285, 6230..6343, 6307..6348, 6343..6489, 6489..6587		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o2.np	Method	AAT/NAP
Start	7903	End	12052
GI	1091678	Score	465
Exons	7903..8029, 8574..8948, 9003..9354, 12033..12052		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o3.ts	Method	TBLASTX:Soybean
Start	8590	End	8815
GI	none	Score	95
Exons	8590..8805, 8609..8815		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o1.tm	Method	TBLASTX:Maize
Start	8594	End	9342
GI	none	Score	182
Exons	8594..8809, 8599..8808, 8832..8900, 9016..9342, 9121..9288, 9131..9313		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6738	Strand	-
Start	101	End	12052
Name	OJ990322_04.0128.C26.o4.ts	Method	TBLASTX:Soybean
Start	9007	End	9357
GI	none	Score	185
Exons	9007..9357		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6739	Strand	
Start	12404	End	13539
Name	OJ990322_04.0128.C26.o1.ts	Method	TBLASTX:Soybean
Start	12404	End	13492
GI	none	Score	153
Exons	12404..12505, 12411..12503, 13255..13491, 13257..13487, 13325..13492		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6739	Strand	

Start	12404	End	13539
Name	OJ990322_04.0128.C26.o1.tc	Method	TBLASTX:Cress
Start	12413	End	13502
GI	none	Score	152
Exons	12413..12505, 12414..12506, 13255..13491, 13257..13487, 13344..13502, 13349..13495		

Seq. No.	3144	Seq. ID	OJ990322_04.0128.C26
Gene No.	6739	Strand	
Start	12404	End	13539
Name	OJ990322_04.0128.C26.o2.tm	Method	TBLASTX:Maize
Start	13181	End	13539
GI	none	Score	221
Exons	13181..13531, 13255..13539, 13257..13532		

Seq. No.	3145	Seq. ID	OJ990322_04.0128.C29
Gene No.	6740	Strand	-
Start	374	End	475
Name	OJ990322_04.0128.C29.o1.gs	Method	GENSCAN
Start	374	End	475
GI	none	Score	.68
Exons	374..475		

Seq. No.	3146	Seq. ID	OJ990322_04.0128.C30
Gene No.	6741	Strand	+
Start	1	End	1090
Name	OJ990322_04.0128.C30.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	2583127	Score	47
Exons	1..32, 125..214, 950..1090		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		

Seq. No.	3146	Seq. ID	OJ990322_04.0128.C30
Gene No.	6741	Strand	+
Start	1	End	1090
Name	OJ990322_04.0128.C30.o1.gs	Method	GENSCAN
Start	128	End	495
GI	none	Score	.74
Exons	128..216, 379..495		

Seq. No.	3147	Seq. ID	OJ990322_04.0128.C32
Gene No.	6742	Strand	-
Start	1	End	677
Name	OJ990322_04.0128.C32.o1.np	Method	AAT/NAP
Start	1	End	677
GI	4582488	Score	175
Exons	1..67, 442..677		
GI Descrip.	(AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	3147	Seq. ID	OJ990322_04.0128.C32
Gene No.	6742	Strand	-
Start	1	End	677
Name	OJ990322_04.0128.C32.o1.tc	Method	TBLASTX:Cress
Start	411	End	578
GI	none	Score	148
Exons	411..578, 433..573		

Seq. No.	3147	Seq. ID	OJ990322_04.0128.C32
Gene No.	6742	Strand	-
Start	1	End	677
Name	OJ990322_04.0128.C32.o1.tm	Method	TBLASTX:Maize
Start	433	End	671
GI	none	Score	295
Exons	433..660, 441..671, 442..663		

Seq. No.	3147	Seq. ID	OJ990322_04.0128.C32
Gene No.	6742	Strand	-
Start	1	End	677
Name	OJ990322_04.0128.C32.o1.ts	Method	TBLASTX:Soybean
Start	450	End	671
GI	none	Score	144
Exons	450..572, 451..588, 591..671		

Seq. No.	3148	Seq. ID	OJ990322_04.0128.C35
Gene No.	6743	Strand	-
Start	1	End	781
Name	OJ990322_04.0128.C35.o1.np	Method	AAT/NAP
Start	1	End	781
GI	2583127	Score	140
Exons	1..85, 458..554, 636..781		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		

Seq. No.	3148	Seq. ID	OJ990322_04.0128.C35
Gene No.	6743	Strand	-
Start	1	End	781
Name	OJ990322_04.0128.C35.o1.gs	Method	GENSCAN
Start	458	End	671
GI	none	Score	.64
Exons	458..554, 636..671		

Seq. No.	3149	Seq. ID	OJ990322_04.0128.C38
Gene No.	6744	Strand	
Start	16	End	366
Name	OJ990322_04.0128.C38.o1.tm	Method	TBLASTX:Maize
Start	16	End	366
GI	none	Score	42
Exons	16..366, 20..55, 177..341, 200..364		

Seq. No.	3150	Seq. ID	OJ990322_04.0128.C40
Gene No.	6745	Strand	+
Start	1	End	5482
Name	OJ990322_04.0128.C40.o1.np	Method	AAT/NAP
Start	1	End	4614
GI	5441880	Score	1788
Exons	1..209, 654..685, 944..1270, 1849..1988, 2097..2430, 3010..3308, 3413..3674, 3747..3991, 4405..4614		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3150	Seq. ID	OJ990322_04.0128.C40
Gene No.	6745	Strand	+

Start	1	End	5482
Name	OJ990322_04.0128.C40.o1.tm	Method	TBLASTX:Maize
Start	4	End	361
GI	none	Score	217
Exons	4..243, 5..232, 290..361		

Seq. No.	3150	Seq. ID	OJ990322_04.0128.C40
Gene No.	6745	Strand	+
Start	1	End	5482
Name	OJ990322_04.0128.C40.o1.tw	Method	TBLASTX:Wheat
Start	61	End	436
GI	none	Score	191
Exons	61..213, 62..238, 262..330, 263..436, 285..425		

Seq. No.	3150	Seq. ID	OJ990322_04.0128.C40
Gene No.	6745	Strand	+
Start	1	End	5482
Name	OJ990322_04.0128.C40.o1.gs	Method	GENSCAN
Start	248	End	1459
GI	none	Score	.4
Exons	248..1459		

Seq. No.	3150	Seq. ID	OJ990322_04.0128.C40
Gene No.	6745	Strand	+
Start	1	End	5482
Name	OJ990322_04.0128.C40.o2.gs	Method	GENSCAN
Start	1837	End	5482
GI	none	Score	.63
Exons	1837..1951, 2064..2153, 2242..2411, 2516..2674, 2816..2929, 3010..3308, 3413..3674, 3767..3874, 3921..4022, 4138..4160, 4218..4600, 4664..4917, 5306..5482		

Seq. No.	3150	Seq. ID	OJ990322_04.0128.C40
Gene No.	6745	Strand	+
Start	1	End	5482
Name	OJ990322_04.0128.C40.o2.tw	Method	TBLASTX:Wheat
Start	2155	End	2584
GI	none	Score	89
Exons	2155..2208, 2157..2219, 2217..2336, 2218..2337, 2510..2584		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6746	Strand	+
Start	374	End	3141
Name	OJ990322_04.0128.C41.o1.gs	Method	GENSCAN
Start	374	End	3141
GI	none	Score	.78
Exons	374..525, 549..697, 862..962, 2679..2827, 2889..3141		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6746	Strand	+
Start	374	End	3141
Name	OJ990322_04.0128.C41.o2.gp	Method	AAT/GAP
Start	2646	End	2907
GI	none	Score	374
Exons	2646..2907		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41

Gene No.	6746	Strand	+
Start	374	End	3141
Name	OJ990322_04.0128.C41.o1.np	Method	AAT/NAP
Start	2672	End	3123
GI	6563248	Score	236
Exons	2672..3123		
GI Descrip.	(AF117237) prefoldin subunit 2 [Homo sapiens]		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6747	Strand	-
Start	383	End	533
Name	OJ990322_04.0128.C41.o1.gp	Method	AAT/GAP
Start	383	End	533
GI	none	Score	229
Exons	383..533		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6748	Strand	-
Start	2801	End	3277
Name	OJ990322_04.0128.C41.o1.tm	Method	TBLASTX:Maize
Start	2677	End	3129
GI	none	Score	97
Exons	2677..2796, 2682..2837, 2686..2796, 2711..2797, 2799..3128, 2826..3128, 2827..3129		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6748	Strand	-
Start	2801	End	3277
Name	OJ990322_04.0128.C41.o1.tc	Method	TBLASTX:Cress
Start	2708	End	3054
GI	none	Score	81
Exons	2708..2818, 2709..2837, 2817..2936, 2827..2940, 2923..3054, 2925..2960		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6748	Strand	-
Start	2801	End	3277
Name	OJ990322_04.0128.C41.o1.ts	Method	TBLASTX:Soybean
Start	2720	End	3135
GI	none	Score	104
Exons	2720..2797, 2721..2819, 2799..3134, 2827..3135		

Seq. No.	3151	Seq. ID	OJ990322_04.0128.C41
Gene No.	6748	Strand	-
Start	2801	End	3277
Name	OJ990322_04.0128.C41.o3.gp	Method	AAT/GAP
Start	2801	End	3277
GI	4332_1.R1084	Score	862
Exons	2801..3277		
GI Descrip.	'5690431/gb|AAD47084.1|AF165883_1 9.0e-20 (AF165883) prefoldin subunit 2 [Homo sapiens]'		

Seq. No.	3152	Seq. ID	OJ990322_04.0128.C42
Gene No.	6749	Strand	-
Start	1	End	609
Name	OJ990322_04.0128.C42.o1.np	Method	AAT/NAP
Start	1	End	609

GI	5441880	Score	626
Exons	1..609		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3152	Seq. ID	OJ990322_04.0128.C42
Gene No.	6749	Strand	-
Start	1	End	609
Name	OJ990322_04.0128.C42.o1.gs	Method	GENSCAN
Start	274	End	560
GI	none	Score	.77
Exons	274..560		

Seq. No.	3153	Seq. ID	OJ990602_04.0103.C1
Gene No.	6750	Strand	-
Start	1	End	655
Name	OJ990602_04.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	655
GI	4262167	Score	300
Exons	1..62, 158..426, 526..655		
GI Descrip.	(AC005275) putative LRR receptor-linked protein kinase [Arabidopsis thaliana]		

Seq. No.	3153	Seq. ID	OJ990602_04.0103.C1
Gene No.	6750	Strand	-
Start	1	End	655
Name	OJ990602_04.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	29	End	372
GI	none	Score	54
Exons	29..64, 157..372, 266..328		

Seq. No.	3153	Seq. ID	OJ990602_04.0103.C1
Gene No.	6750	Strand	-
Start	1	End	655
Name	OJ990602_04.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	29	End	651
GI	none	Score	45
Exons	29..64, 31..84, 140..427, 157..429, 158..427, 162..428, 521..646, 522..647, 523..651, 526..648		

Seq. No.	3153	Seq. ID	OJ990602_04.0103.C1
Gene No.	6750	Strand	-
Start	1	End	655
Name	OJ990602_04.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	155	End	382
GI	none	Score	113
Exons	155..382, 157..378		

Seq. No.	3153	Seq. ID	OJ990602_04.0103.C1
Gene No.	6750	Strand	-
Start	1	End	655
Name	OJ990602_04.0103.C1.o1.gs	Method	GENSCAN
Start	158	End	612
GI	none	Score	.67
Exons	158..426, 526..612		

Seq. No.	3154	Seq. ID	OJ990602_04.0103.C2
Gene No.	6751	Strand	+
Start	170	End	416
Name	OJ990602_04.0103.C2.o1.gs	Method	GENSCAN
Start	170	End	416
GI	none	Score	.42
Exons	170..242, 328..416		

Seq. No.	3155	Seq. ID	OJ990602_04.0103.C7
Gene No.	6752	Strand	+
Start	1	End	204
Name	OJ990602_04.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	204
GI	5777617	Score	97
Exons	1..204		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3155	Seq. ID	OJ990602_04.0103.C7
Gene No.	6753	Strand	-
Start	199	End	252
Name	OJ990602_04.0103.C7.o1.gs	Method	GENSCAN
Start	199	End	252
GI	none	Score	.75
Exons	199..252		

Seq. No.	3156	Seq. ID	OJ990602_04.0103.C9
Gene No.	6754	Strand	-
Start	1	End	932
Name	OJ990602_04.0103.C9.o1.np	Method	AAT/NAP
Start	1	End	932
GI	4586260	Score	59
Exons	1..52, 533..605, 867..932		
GI Descrip.	(AL049640) putative protein [Arabidopsis thaliana]		

Seq. No.	3157	Seq. ID	OJ990602_04.0103.C10
Gene No.	6755	Strand	+
Start	1024	End	1216
Name	OJ990602_04.0103.C10.o1.gs	Method	GENSCAN
Start	1024	End	1216
GI	none	Score	.8
Exons	1024..1216		

Seq. No.	3157	Seq. ID	OJ990602_04.0103.C10
Gene No.	6756	Strand	+
Start	3009	End	6601
Name	OJ990602_04.0103.C10.o1.np	Method	AAT/NAP
Start	3003	End	5431
GI	5453573	Score	100
Exons	3003..3133, 3316..3460, 4463..4584, 4661..4722, 5213..5270, 5350..5431		
GI Descrip.	brefeldin A-inhibited guanine nucleotide-exchange protein 2 gi|5052123|gb|AAD38428.1| (AF084521) brefeldin A-inhibited guanine nucleotide-exchange protein 2 [Homo sapiens]		

Seq. No.	3157	Seq. ID	OJ990602_04.0103.C10
Gene No.	6756	Strand	+
Start	3009	End	6601

Name	OJ990602_04.0103.C10.o2.gs	Method	GENSCAN
Start	3009	End	6601
GI	none	Score	.75
Exons	3009..3235, 3267..3460, 3515..3619, 4093..4151, 4463..4584, 5350..5503, 5527..5730, 5837..5895, 6008..6077, 6304..6426, 6548..6601		

Seq. No.	3158	Seq. ID	OJ990602_04.0103.C11
Gene No.	6757	Strand	+
Start	217	End	469
Name	OJ990602_04.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	210	End	469
GI	none	Score	100
Exons	210..278, 218..268, 362..466, 375..467, 376..468, 377..469		

Seq. No.	3158	Seq. ID	OJ990602_04.0103.C11
Gene No.	6757	Strand	+
Start	217	End	469
Name	OJ990602_04.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	210	End	469
GI	none	Score	100
Exons	210..278, 213..284, 362..466, 369..464, 376..468, 376..468, 377..469		

Seq. No.	3158	Seq. ID	OJ990602_04.0103.C11
Gene No.	6757	Strand	+
Start	217	End	469
Name	OJ990602_04.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	210	End	468
GI	none	Score	100
Exons	210..278, 216..284, 362..466, 376..468, 376..468		

Seq. No.	3158	Seq. ID	OJ990602_04.0103.C11
Gene No.	6757	Strand	+
Start	217	End	469
Name	OJ990602_04.0103.C11.o1.gp	Method	AAT/GAP
Start	217	End	468
GI	31129_1.R1084	Score	218
Exons	217..273, 375..468		
GI Descrip.	'3880625/emb|CAB07858.1| 3.0e-27 (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this '		

Seq. No.	3158	Seq. ID	OJ990602_04.0103.C11
Gene No.	6757	Strand	+
Start	217	End	469
Name	OJ990602_04.0103.C11.o1.gs	Method	GENSCAN
Start	219	End	465
GI	none	Score	.44
Exons	219..273, 375..465		

Seq. No.	3159	Seq. ID	OJ990602_04.0103.C12
Gene No.	6758	Strand	-
Start	1	End	311
Name	OJ990602_04.0103.C12.o1.np	Method	AAT/NAP

Start	1	End	311
GI	4581164	Score	135
Exons	1..311		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3159	Seq. ID	OJ990602_04.0103.C12
Gene No.	6758	Strand	-
Start	1	End	311
Name	OJ990602_04.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	271
GI	none	Score	96
Exons	2..271, 33..182		

Seq. No.	3160	Seq. ID	OJ990602_04.0103.C13
Gene No.	6759	Strand	-
Start	273	End	315
Name	OJ990602_04.0103.C13.o1.gs	Method	GENSCAN
Start	273	End	315
GI	none	Score	.65
Exons	273..315		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	2017
GI	2961358	Score	395
Exons	1..99, 196..331, 959..1098, 1205..1361, 1431..1513, 1951..2017		
GI Descrip.	(AL022140) serine/threonine protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o1.gs	Method	GENSCAN
Start	196	End	7200
GI	none	Score	.86
Exons	196..331, 959..1098, 1205..1361, 1431..1487, 2113..2341, 3391..3758, 4469..4518, 5507..5584, 5784..6357, 6652..7200		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o1.gp	Method	AAT/GAP
Start	1746	End	1951
GI	2796394	Score	346
Exons	1746..1951		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o2.gp	Method	AAT/GAP
Start	3548	End	6092
GI	27944_1.R1084	Score	1165
Exons	3548..3758, 4469..4518, 5507..5584, 5784..6092		
GI Descrip.	'2443880 4.0e-18 (AC002294) Hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o2.np	Method	AAT/NAP
Start	3630	End	10444
GI	2443880	Score	315
Exons	3630..3758, 4469..4518, 5507..5584, 5784..6357, 6655..6858, 10331..10444		
GI Descrip.	(AC002294) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o3.np	Method	AAT/NAP
Start	3685	End	8683
GI	2443880	Score	249
Exons	3685..3758, 4469..4518, 5507..5584, 5784..6357, 6655..7113, 8618..8683		
GI Descrip.	(AC002294) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6760	Strand	+
Start	1	End	10444
Name	OJ990602_04.0103.C15.o4.gp	Method	AAT/GAP
Start	9603	End	9795
GI	none	Score	382
Exons	9603..9795		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6761	Strand	-
Start	6836	End	7428
Name	OJ990602_04.0103.C15.o3.gp	Method	AAT/GAP
Start	6836	End	7428
GI	3444997	Score	872
Exons	6836..7428		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	67	End	1533
GI	none	Score	181
Exons	67..99, 194..298, 195..323, 199..327, 217..324, 976..1098, 977..1096, 1192..1359, 1202..1360, 1202..1360, 1203..1361, 1424..1519, 1425..1526, 1425..1517, 1429..1533, 1430..1525		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	197	End	1490
GI	none	Score	81
Exons	197..298, 989..1096, 989..1090, 991..1098, 1190..1345, 1203..1361, 1425..1490, 1433..1489		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o2.tc	Method	TBLASTX:Cress
Start	1009	End	1492
GI	none	Score	93
Exons	1009..1098, 1010..1111, 1202..1345, 1209..1361, 1215..1361, 1425..1490, 1433..1492		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o4.tm	Method	TBLASTX:Maize
Start	5788	End	6084
GI	none	Score	268
Exons	5788..6084, 5788..6015, 5804..6016, 5973..6083		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o3.tm	Method	TBLASTX:Maize
Start	6219	End	7002
GI	none	Score	110
Exons	6219..6356, 6219..6356, 6220..6357, 6649..6930, 6654..6932, 6654..6932, 6924..6998, 6925..7002		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o2.gs	Method	GENSCAN
Start	9515	End	10325
GI	none	Score	.69
Exons	9515..9616, 10085..10154, 10240..10325		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o5.gp	Method	AAT/GAP
Start	9834	End	10385
GI	uC-osflcyp028h11b1	Score	603
Exons	9834..9981, 10085..10154, 10240..10385		
GI Descrip.	'1620896/dbj|BAA13507| 4.0e-45 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o2.tm	Method	TBLASTX:Maize
Start	9842	End	10385
GI	none	Score	34
Exons	9842..9868, 9843..9863, 9884..9982, 9886..9981, 9886..9984, 9932..9982, 10083..10157, 10083..10154, 10085..10156, 10218..10385, 10236..10385		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15

Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	9883	End	10380
GI	none	Score	44
Exons	9883..9984, 9935..9982, 10085..10156, 10089..10157, 10236..10379, 10240..10380		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o4.np	Method	AAT/NAP
Start	9886	End	10444
GI	4885579	Score	187
Exons	9886..9981, 10085..10154, 10240..10444		
GI Descrip.	rcd1 (required for cell differentiation, S.pombe) homolog 1 gi|1620898|dbj|BAA13508| (D87957) protein involved in sexual development [Homo sapiens]		

Seq. No.	3161	Seq. ID	OJ990602_04.0103.C15
Gene No.	6762	Strand	-
Start	9515	End	10444
Name	OJ990602_04.0103.C15.o2.ts	Method	TBLASTX:Soybean
Start	9934	End	10385
GI	none	Score	152
Exons	9934..9984, 10085..10156, 10225..10380, 10236..10385		

Seq. No.	3162	Seq. ID	OJ990602_04.0103.C16
Gene No.	6763	Strand	-
Start	1	End	360
Name	OJ990602_04.0103.C16.o1.gp	Method	AAT/GAP
Start	1	End	357
GI	uC-osflcyp028h11b1	Score	458
Exons	1..83, 168..357		
GI Descrip.	'1620896/dbj|BAA13507| 4.0e-45 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	3162	Seq. ID	OJ990602_04.0103.C16
Gene No.	6763	Strand	-
Start	1	End	360
Name	OJ990602_04.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	358
GI	4885579	Score	220
Exons	1..83, 168..358		
GI Descrip.	rcd1 (required for cell differentiation, S.pombe) homolog 1 gi|1620898|dbj|BAA13508| (D87957) protein involved in sexual development [Homo sapiens]		

Seq. No.	3162	Seq. ID	OJ990602_04.0103.C16
Gene No.	6763	Strand	-
Start	1	End	360
Name	OJ990602_04.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	12	End	359
GI	none	Score	94
Exons	12..86, 12..83, 14..85, 152..313, 152..358, 153..359		

Seq. No.	3162	Seq. ID	OJ990602_04.0103.C16
Gene No.	6763	Strand	-
Start	1	End	360
Name	OJ990602_04.0103.C16.o1.gs	Method	GENSCAN
Start	14	End	358
GI	none	Score	.86
Exons	14..83, 168..358		

Seq. No.	3162	Seq. ID	OJ990602_04.0103.C16
Gene No.	6763	Strand	-
Start	1	End	360
Name	OJ990602_04.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	14	End	360
GI	none	Score	66
Exons	14..85, 18..86, 146..358, 168..359, 208..360		

Seq. No.	3162	Seq. ID	OJ990602_04.0103.C16
Gene No.	6763	Strand	-
Start	1	End	360
Name	OJ990602_04.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	14	End	359
GI	none	Score	206
Exons	14..85, 153..359, 164..358		

Seq. No.	3163	Seq. ID	OJ990602_04.0103.C17
Gene No.	6764	Strand	-
Start	324	End	538
Name	OJ990602_04.0103.C17.o1.gs	Method	GENSCAN
Start	324	End	538
GI	none	Score	.93
Exons	324..538		

Seq. No.	3163	Seq. ID	OJ990602_04.0103.C17
Gene No.	6765	Strand	-
Start	441	End	721
Name	OJ990602_04.0103.C17.o1.np	Method	AAT/NAP
Start	441	End	721
GI	5777617	Score	89
Exons	441..543, 654..721		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3164	Seq. ID	OJ990602_04.0103.C18
Gene No.	6766	Strand	+
Start	1	End	728
Name	OJ990602_04.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	728
GI	418604	Score	1134
Exons	1..728		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	3165	Seq. ID	OJ990602_04.0103.C22
Gene No.	6767	Strand	+
Start	49	End	211
Name	OJ990602_04.0103.C22.o1.gp	Method	AAT/GAP
Start	49	End	211

GI	2796394	Score	278
Exons	49..211		

Seq. No.	3166	Seq. ID	OJ990602_04.0103.C23
Gene No.	6768	Strand	+
Start	194	End	325
Name	OJ990602_04.0103.C23.o1.gs	Method	GENSCAN
Start	194	End	325
GI	none	Score	.89
Exons	194..325		

Seq. No.	3167	Seq. ID	OJ990602_04.0103.C26
Gene No.	6769	Strand	-
Start	66	End	216
Name	OJ990602_04.0103.C26.o1.gs	Method	GENSCAN
Start	66	End	216
GI	none	Score	.4
Exons	66..216		

Seq. No.	3168	Seq. ID	OJ990602_04.0103.C27
Gene No.	6770	Strand	+
Start	222	End	2793
Name	OJ990602_04.0103.C27.o1.gs	Method	GENSCAN
Start	222	End	2793
GI	none	Score	.55
Exons	222..418, 942..1036, 2097..2251, 2410..2793		

Seq. No.	3168	Seq. ID	OJ990602_04.0103.C27
Gene No.	6771	Strand	-
Start	1	End	2187
Name	OJ990602_04.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	2187
GI	4454463	Score	424
Exons	1..416, 594..659, 792..1011, 1109..1180, 1257..1328, 1417..1482, 1585..1656, 1749..1878, 2076..2187		
GI Descrip.	(AC006234) putative LRR receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	3168	Seq. ID	OJ990602_04.0103.C27
Gene No.	6771	Strand	-
Start	1	End	2187
Name	OJ990602_04.0103.C27.o1.tm	Method	TBLASTX:Maize
Start	204	End	1626
GI	none	Score	47
Exons	204..293, 206..244, 272..325, 276..326, 282..419, 316..417, 580..651, 591..659, 593..658, 785..856, 788..856, 928..1011, 939..1016, 940..1017, 1108..1179, 1109..1180, 1110..1193, 1246..1326, 1251..1328, 1263..1328, 1413..1481, 1416..1481, 1423..1482, 1581..1625, 1585..1626, 1586..1624		

Seq. No.	3169	Seq. ID	OJ990602_04.0103.C28
Gene No.	6772	Strand	+
Start	617	End	841
Name	OJ990602_04.0103.C28.o1.gs	Method	GENSCAN
Start	617	End	841
GI	none	Score	.9
Exons	617..841		

Seq. No.	3169	Seq. ID	OJ990602_04.0103.C28
Gene No.	6773	Strand	+
Start	2685	End	3071
Name	OJ990602_04.0103.C28.o2.gs	Method	GENSCAN
Start	2685	End	3071
GI	none	Score	.49
Exons	2685..3071		

Seq. No.	3169	Seq. ID	OJ990602_04.0103.C28
Gene No.	6774	Strand	-
Start	4127	End	8465
Name	OJ990602_04.0103.C28.o1.np	Method	AAT/NAP
Start	4127	End	8465
GI	2252628	Score	90
Exons	4127..4249, 8130..8270, 8403..8465		
GI Descrip.	(U95973) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3169	Seq. ID	OJ990602_04.0103.C28
Gene No.	6774	Strand	-
Start	4127	End	8465
Name	OJ990602_04.0103.C28.o3.gs	Method	GENSCAN
Start	7389	End	8328
GI	none	Score	.77
Exons	7389..7547, 7954..8328		

Seq. No.	3170	Seq. ID	OJ990602_04.0103.C29
Gene No.	6775	Strand	+
Start	1111	End	6311
Name	OJ990602_04.0103.C29.o1.gs	Method	GENSCAN
Start	1111	End	6288
GI	none	Score	.45
Exons	1111..1231, 1982..2745, 2834..2923, 3069..3164, 5042..5095, 5340..5495, 5713..5835, 6061..6110, 6134..6288		

Seq. No.	3170	Seq. ID	OJ990602_04.0103.C29
Gene No.	6775	Strand	+
Start	1111	End	6311
Name	OJ990602_04.0103.C29.o1.ts	Method	TBLASTX:Soybean
Start	2643	End	2926
GI	none	Score	146
Exons	2643..2762, 2644..2745, 2831..2926, 2842..2922		

Seq. No.	3170	Seq. ID	OJ990602_04.0103.C29
Gene No.	6775	Strand	+
Start	1111	End	6311
Name	OJ990602_04.0103.C29.o1.tc	Method	TBLASTX:Cress
Start	3111	End	6311
GI	none	Score	61
Exons	3111..3164, 3280..3405, 3282..3389, 3489..3542, 3490..3543, 4740..4871, 4751..4849, 4757..4873, 5039..5098, 5044..5100, 5352..5417, 5354..5413, 5391..5495, 5426..5488, 5707..5835, 5712..5834, 6060..6113, 6061..6111, 6212..6301, 6213..6311		

Seq. No.	3170	Seq. ID	OJ990602_04.0103.C29
Gene No.	6775	Strand	+
Start	1111	End	6311

Name	OJ990602_04.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	3123	End	5098
GI	none	Score	61
Exons	3123..3164, 3124..3171, 3276..3389, 3280..3405, 3280..3390, 3282..3431, 3489..3542, 3490..3543, 3490..3543, 4740..4871, 4752..4868, 4754..4873, 5039..5098, 5041..5097		

Seq. No.	3170	Seq. ID	OJ990602_04.0103.C29
Gene No.	6775	Strand	+
Start	1111	End	6311
Name	OJ990602_04.0103.C29.o1.gp	Method	AAT/GAP
Start	5320	End	5777
GI	2797361	Score	364
Exons	5320..5495, 5713..5777		

Seq. No.	3170	Seq. ID	OJ990602_04.0103.C29
Gene No.	6775	Strand	+
Start	1111	End	6311
Name	OJ990602_04.0103.C29.o2.tm	Method	TBLASTX:Maize
Start	5357	End	6286
GI	none	Score	199
Exons	5357..5497, 5358..5495, 5369..5497, 5706..5834, 5707..5835, 5712..5834, 6060..6113, 6061..6111, 6210..6284, 6212..6286, 6213..6284		

Seq. No.	3171	Seq. ID	OJ990602_04.0103.C30
Gene No.	6776	Strand	-
Start	1	End	98
Name	OJ990602_04.0103.C30.o1.gp	Method	AAT/GAP
Start	1	End	98
GI	uC-osf1cyp028h11b1	Score	112
Exons	1..98		
GI Descrip.	'1620896/dbj|BAA13507| 4.0e-45 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	3171	Seq. ID	OJ990602_04.0103.C30
Gene No.	6777	Strand	-
Start	700	End	1134
Name	OJ990602_04.0103.C30.o1.gs	Method	GENSCAN
Start	700	End	1134
GI	none	Score	.73
Exons	700..1134		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6778	Strand	+
Start	3275	End	5055
Name	OJ990602_04.0103.C31.o2.gp	Method	AAT/GAP
Start	3275	End	5055
GI	727_1.R1084	Score	922
Exons	3275..3398, 4025..4065, 4150..4250, 4553..4697, 4783..4872, 5018..5055		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6778	Strand	+
Start	3275	End	5055
Name	OJ990602_04.0103.C31.o2.np	Method	AAT/NAP
Start	4013	End	5055
GI	133867	Score	608
Exons	4013..4065, 4150..4250, 4553..4697, 4783..4872, 5018..5055		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6779	Strand	-
Start	1	End	2666
Name	OJ990602_04.0103.C31.o1.gp	Method	AAT/GAP
Start	1	End	1558
GI	uC-osroM202022a04b1	Score	701
Exons	1..161, 751..857, 1272..1314, 1486..1558		
GI Descrip.	'1620896/dbj|BAA13507| 5.0e-42 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6779	Strand	-
Start	1	End	2666
Name	OJ990602_04.0103.C31.o1.np	Method	AAT/NAP
Start	1	End	2666
GI	4885579	Score	428
Exons	1..161, 751..857, 1272..1314, 1486..1575, 1798..1869, 2518..2666		
GI Descrip.	rcd1 (required for cell differentiation, S.pombe) homolog 1 gi|1620898|dbj|BAA13508| (D87957) protein involved in sexual development [Homo sapiens]		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6779	Strand	-
Start	1	End	2666
Name	OJ990602_04.0103.C31.o2.ts	Method	TBLASTX:Soybean
Start	64	End	2607
GI	none	Score	84
Exons	64..117, 65..118, 69..134, 117..164, 118..162, 748..858, 749..859, 1267..1317, 1486..1581, 1487..1579, 1487..1594, 1798..1872, 1802..1870, 2503..2607		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6780	Strand	
Start	4018	End	5054
Name	OJ990602_04.0103.C31.o1.tc	Method	TBLASTX:Cress
Start	4018	End	5054
GI	none	Score	70
Exons	4018..4065, 4022..4063, 4147..4248, 4193..4252, 4195..4251, 4551..4706, 4552..4713, 4558..4713, 4781..4873, 4783..4872, 4784..4873, 4785..4877, 5016..5054		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6780	Strand	

Start	4018	End	5054
Name	OJ990602_04.0103.C31.o1.tm	Method	TBLASTX:Maize
Start	4018	End	5054
GI	none	Score	70
Exons	4018..4065, 4022..4063, 4023..4067, 4024..4068, 4140..4250, 4140..4250, 4150..4251, 4193..4255, 4195..4254, 4551..4697, 4551..4706, 4552..4713, 4780..4872, 4781..4873, 4781..4873, 5016..5054		

Seq. No.	3172	Seq. ID	OJ990602_04.0103.C31
Gene No.	6780	Strand	
Start	4018	End	5054
Name	OJ990602_04.0103.C31.o1.ts	Method	TBLASTX:Soybean
Start	4018	End	5054
GI	none	Score	70
Exons	4018..4065, 4022..4063, 4149..4250, 4152..4253, 4153..4251, 4193..4255, 4195..4254, 4551..4697, 4551..4706, 4552..4713, 4559..4750, 4780..4872, 4781..4873, 4781..4873, 4782..4874, 5016..5054		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6781	Strand	+
Start	1	End	119
Name	OJ990602_04.0103.C32.o1.gp	Method	AAT/GAP
Start	1	End	119
GI	727_1.R1084	Score	212
Exons	1..119		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o2.gp	Method	AAT/GAP
Start	763	End	2721
GI	727_1.R1084	Score	1278
Exons	763..823, 850..912, 1421..1461, 1549..1649, 1982..2126, 2188..2277, 2423..2721		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o1.gs	Method	GENSCAN
Start	901	End	6916
GI	none	Score	.56
Exons	901..912, 1421..1461, 1549..1649, 2188..2277, 3202..3318, 3666..3736, 4084..4203, 4279..4314, 4430..4564, 4735..4818, 5963..6088, 6863..6916		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+

Start	763	End	7224
Name	OJ990602_04.0103.C32.o1.np	Method	AAT/NAP
Start	1409	End	2516
GI	133867	Score	658
Exons	1409..1461, 1549..1649, 1982..2126, 2188..2277, 2423..2516		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o1.tc	Method	TBLASTX:Cress
Start	1414	End	2473
GI	none	Score	70
Exons	1414..1461, 1418..1459, 1539..1646, 1545..1646, 1546..1647, 1592..1651, 1594..1650, 1977..2138, 1981..2127, 2186..2278, 2188..2277, 2190..2282, 2420..2473, 2421..2468		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o1.tm	Method	TBLASTX:Maize
Start	1414	End	2603
GI	none	Score	70
Exons	1414..1461, 1418..1459, 1420..1464, 1539..1649, 1548..1649, 1549..1650, 1592..1654, 1594..1653, 1975..2127, 1976..2065, 1977..2138, 2185..2277, 2186..2278, 2186..2278, 2420..2476, 2421..2468, 2583..2603		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o1.ts	Method	TBLASTX:Soybean
Start	1414	End	2533
GI	none	Score	70
Exons	1414..1461, 1418..1459, 1548..1649, 1551..1652, 1552..1650, 1592..1654, 1594..1653, 1975..2127, 1977..2138, 2049..2138, 2175..2276, 2185..2277, 2186..2278, 2187..2279, 2420..2485, 2421..2468, 2486..2533		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o2.tc	Method	TBLASTX:Cress
Start	4487	End	5604
GI	none	Score	79
Exons	4487..4564, 4750..4824, 4752..4817, 4879..5004, 4881..5021, 5145..5243, 5146..5247, 5147..5251, 5148..5252, 5566..5604		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o2.tm	Method	TBLASTX:Maize
Start	4889	End	5805
GI	none	Score	115
Exons	4889..5002, 4890..5003, 4890..5003, 4891..5004, 5146..5250,		

5146..5235, 5147..5251, 5148..5252, 5564..5674, 5566..5679, 5567..5686, 5755..5805, 5758..5805

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o2.np	Method	AAT/NAP
Start	5094	End	7224
GI	5734733	Score	361
Exons	5094..5248, 5569..5696, 5767..5815, 6022..6088, 6863..6916, 7129..7224		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3173	Seq. ID	OJ990602_04.0103.C32
Gene No.	6782	Strand	+
Start	763	End	7224
Name	OJ990602_04.0103.C32.o3.gp	Method	AAT/GAP
Start	5602	End	6942
GI	uC-osflcyp107b01b1	Score	458
Exons	5602..5685, 5762..5815, 6022..6088, 6863..6942		
GI Descrip.	'5734733/gb|AAD49998.1|AC007259_11 5.0e-33 (AC007259) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3174	Seq. ID	OJ990602_04.0103.C33
Gene No.	6783	Strand	+
Start	535	End	607
Name	OJ990602_04.0103.C33.o1.np	Method	AAT/NAP
Start	535	End	607
GI	5734733	Score	46
Exons	535..607		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3174	Seq. ID	OJ990602_04.0103.C33
Gene No.	6784	Strand	+
Start	535	End	621
Name	OJ990602_04.0103.C33.o1.gs	Method	GENSCAN
Start	535	End	621
GI	none	Score	.55
Exons	535..621		

Seq. No.	3175	Seq. ID	OJ990602_04.0103.C34
Gene No.	6785	Strand	+
Start	1	End	1467
Name	OJ990602_04.0103.C34.o1.np	Method	AAT/NAP
Start	1	End	1467
GI	5441889	Score	441
Exons	1..127, 479..718, 820..943, 1055..1263, 1324..1467		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	3175	Seq. ID	OJ990602_04.0103.C34
Gene No.	6785	Strand	+
Start	1	End	1467
Name	OJ990602_04.0103.C34.o2.ts	Method	TBLASTX:Soybean
Start	497	End	900

GI	none	Score	198
Exons	497..733, 547..711, 817..900, 834..899		

Seq. No.	3175	Seq. ID	OJ990602_04.0103.C34
Gene No.	6785	Strand	+
Start	1	End	1467
Name	OJ990602_04.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	575	End	1467
GI	none	Score	193
Exons	575..721, 583..717, 587..721, 814..942, 822..947, 1053..1202, 1054..1203, 1293..1466, 1297..1467		

Seq. No.	3175	Seq. ID	OJ990602_04.0103.C34
Gene No.	6785	Strand	+
Start	1	End	1467
Name	OJ990602_04.0103.C34.o1.gs	Method	GENSCAN
Start	814	End	1419
GI	none	Score	.91
Exons	814..943, 1055..1203, 1291..1419		

Seq. No.	3175	Seq. ID	OJ990602_04.0103.C34
Gene No.	6785	Strand	+
Start	1	End	1467
Name	OJ990602_04.0103.C34.o1.ts	Method	TBLASTX:Soybean
Start	903	End	1467
GI	none	Score	44
Exons	903..938, 904..942, 1041..1211, 1057..1203, 1059..1205, 1288..1467, 1290..1466		

Seq. No.	3175	Seq. ID	OJ990602_04.0103.C34
Gene No.	6785	Strand	+
Start	1	End	1467
Name	OJ990602_04.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	1072	End	1467
GI	none	Score	236
Exons	1072..1203, 1077..1202, 1288..1467, 1290..1466		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6786	Strand	+
Start	1	End	161
Name	OJ990602_04.0103.C35.o1.gp	Method	AAT/GAP
Start	1	End	161
GI	19384_1.R1084	Score	314
Exons	1..161		
GI Descrip.	'135399/sp|P28752|TBA1_ORYSA 5.0e-36 TUBULIN ALPHA-1 CHAIN >gi_100716_pir__S20758 tubulin alpha-1 chain - rice >gi_20379_emb_CAA77988_ (Z11931) alpha 1 tubulin [Oryza sativa] >gi_1136124_emb_CAA62918_ (X91808) alfa-tubulin [Oryza sativa]'		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	978
GI	none	Score	187
Exons	1..162, 2..163, 8..196, 30..164, 127..252, 153..254, 157..255, 161..268, 348..467, 361..468, 361..468, 362..469, 363..470,		

521..625, 542..625, 543..626, 643..690, 644..691, 645..692, 652..696, 924..974, 925..978

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o1.tc	Method	TBLASTX:Cress
Start	88	End	604
GI	none	Score	67
Exons	88..162, 92..163, 153..254, 157..255, 361..468, 363..455, 523..603, 527..604		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o1.gs	Method	GENSCAN
Start	155	End	8883
GI	none	Score	.63
Exons	155..252, 364..459, 3356..3460, 3719..3910, 3966..4085, 4256..4318, 4447..4554, 4681..4743, 5056..5089, 5674..5796, 6366..6459, 6673..6738, 7204..7252, 7344..7474, 8682..8883		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o1.ts	Method	TBLASTX:Soybean
Start	172	End	610
GI	none	Score	96
Exons	172..255, 361..444, 361..444, 524..607, 527..610, 544..603		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o2.gp	Method	AAT/GAP
Start	556	End	1048
GI	none	Score	918
Exons	556..1048		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o1.np	Method	AAT/NAP
Start	2950	End	3033
GI	5852084	Score	80
Exons	2950..3033		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o2.ts	Method	TBLASTX:Soybean
Start	3854	End	7757
GI	none	Score	90
Exons	3854..3907, 4479..4514, 4515..4565, 4516..4551, 4681..4743, 5665..5775, 5665..5781, 5666..5791, 5672..5797, 5673..5807, 6162..6296, 6198..6314, 6212..6298, 6364..6462, 6365..6460, 6368..6496, 6531..6584, 6535..6585, 6703..6732, 6704..6736,		

7408..7470, 7409..7474, 7409..7474, 7662..7745, 7665..7757, 7670..7750

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o2.np	Method	AAT/NAP
Start	3857	End	7754
GI	4454464	Score	773
Exons	3857..3910, 4447..4554, 4681..4743, 5056..5089, 5674..5796, 6214..6276, 6366..6459, 6537..6582, 6673..6738, 7204..7252, 7409..7474, 7671..7754		
GI Descrip.	(AC006234) putative secretory carrier-associated membrane protein [Arabidopsis thaliana]		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o2.tc	Method	TBLASTX:Cress
Start	4485	End	5801
GI	none	Score	57
Exons	4485..4559, 4504..4554, 4678..4743, 5663..5797, 5673..5801		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o1.tw	Method	TBLASTX:Wheat
Start	4528	End	6266
GI	none	Score	39
Exons	4528..4554, 4675..4743, 5671..5772, 5671..5805, 5672..5806, 5673..5819, 6210..6266		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o2.tm	Method	TBLASTX:Maize
Start	5672	End	7886
GI	none	Score	53
Exons	5672..5701, 5672..5698, 5685..5804, 5694..5795, 5695..5808, 6210..6341, 6212..6298, 6364..6459, 6365..6460, 6365..6460, 6534..6578, 6535..6582, 6652..6696, 6652..6699, 6676..6738, 6689..6739, 6705..6746, 7192..7251, 7196..7255, 7208..7255, 7394..7474, 7408..7473, 7412..7474, 7637..7756, 7665..7754, 7824..7886, 7836..7886		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+
Start	155	End	8883
Name	OJ990602_04.0103.C35.o3.tc	Method	TBLASTX:Cress
Start	6210	End	7751
GI	none	Score	125
Exons	6210..6314, 6212..6298, 6365..6409, 6404..6460, 6406..6441, 6535..6573, 6539..6571, 7409..7474, 7662..7727, 7665..7751, 7670..7750		

Seq. No.	3176	Seq. ID	OJ990602_04.0103.C35
Gene No.	6787	Strand	+

Start	155	End	8883
Name	OJ990602_04.0103.C35.o3.gp	Method	AAT/GAP
Start	7204	End	7947
GI	23924_1.R1084	Score	673
Exons	7204..7252, 7409..7474, 7671..7947		
GI Descrip.	'5734732/gb|AAD49997.1|AC007259_10 1.0e-19 (AC007259) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6788	Strand	+
Start	7904	End	8311
Name	OJ990602_04.0103.C36.o2.gs	Method	GENSCAN
Start	7904	End	8311
GI	none	Score	.92
Exons	7904..7945, 8132..8311		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6789	Strand	+
Start	14846	End	15524
Name	OJ990602_04.0103.C36.o5.gs	Method	GENSCAN
Start	14846	End	15524
GI	none	Score	.57
Exons	14846..14850, 15090..15210, 15222..15524		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6790	Strand	+
Start	19907	End	20503
Name	OJ990602_04.0103.C36.o6.gs	Method	GENSCAN
Start	19907	End	20503
GI	none	Score	.45
Exons	19907..20503		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6791	Strand	+
Start	25345	End	27739
Name	OJ990602_04.0103.C36.o4.np	Method	AAT/NAP
Start	25345	End	27739
GI	5922623	Score	198
Exons	25345..25418, 25965..26119, 26287..26362, 27526..27739		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6792	Strand	-
Start	1913	End	7907
Name	OJ990602_04.0103.C36.o1.gs	Method	GENSCAN
Start	1913	End	7383
GI	none	Score	.74
Exons	1913..2573, 2714..3161, 3321..3398, 4223..4267, 4352..4487, 5578..6111, 6211..6437, 6540..7383		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6792	Strand	-
Start	1913	End	7907
Name	OJ990602_04.0103.C36.o2.np	Method	AAT/NAP
Start	5500	End	7907

GI	3420052	Score	1603
Exons	5500..6111, 6211..6437, 6540..7055, 7736..7907		
GI Descrip.	(AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6793	Strand	-
Start	10657	End	12937
Name	OJ990602_04.0103.C36.o3.gs	Method	GENSCAN
Start	10657	End	12937
GI	none	Score	.61
Exons	10657..11116, 11518..11603, 12319..12477, 12497..12604, 12857..12937		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6794	Strand	-
Start	13790	End	14541
Name	OJ990602_04.0103.C36.o4.gs	Method	GENSCAN
Start	13790	End	14541
GI	none	Score	.99
Exons	13790..14269, 14527..14541		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6795	Strand	-
Start	23296	End	24762
Name	OJ990602_04.0103.C36.o3.np	Method	AAT/NAP
Start	23296	End	24672
GI	2501491	Score	586
Exons	23296..24672		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE 1 (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE 1) gi|542014|pir||S41950 UTP-glucose glucosyltransferase - cassava gi|453246|emb|CAA54609| (X77459) UTP-glucose glucosyltransferase [Manihot esculenta]		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6795	Strand	-
Start	23296	End	24762
Name	OJ990602_04.0103.C36.o2.gp	Method	AAT/GAP
Start	24170	End	24762
GI	none	Score	1137
Exons	24170..24762		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o7.ts	Method	TBLASTX:Soybean
Start	1938	End	2194
GI	none	Score	100
Exons	1938..2123, 1940..2194		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o4.tm	Method	TBLASTX:Maize
Start	1940	End	2272
GI	none	Score	177
Exons	1940..2146, 1941..2126, 2165..2272		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o5.tm	Method	TBLASTX:Maize
Start	2602	End	2988
GI	none	Score	92
Exons	2602..2988, 2696..2923		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o5.tc	Method	TBLASTX:Cress
Start	2641	End	3003
GI	none	Score	87
Exons	2641..3003, 2696..2923		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o8.ts	Method	TBLASTX:Soybean
Start	2641	End	3063
GI	none	Score	238
Exons	2641..3063		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o3.tc	Method	TBLASTX:Cress
Start	5488	End	12550
GI	none	Score	109
Exons	5488..5640, 5500..5652, 5501..5650, 5648..5773, 5650..5835, 5804..5842, 12467..12550, 12469..12549		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o3.ts	Method	TBLASTX:Soybean
Start	5500	End	12550
GI	none	Score	266
Exons	5500..5739, 5501..5740, 12467..12550, 12469..12549		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o2.tm	Method	TBLASTX:Maize
Start	5539	End	24730
GI	none	Score	50
Exons	5539..5706, 5735..5818, 24314..24730, 24316..24711		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o6.ts	Method	TBLASTX:Soybean
Start	5785	End	5976
GI	none	Score	176
Exons	5785..5976, 5786..5968		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o8.tm	Method	TBLASTX:Maize
Start	5863	End	6064
GI	none	Score	128
Exons	5863..5985, 5864..5986, 5987..6064, 5989..6063		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o1.tc	Method	TBLASTX:Cress
Start	5932	End	6439
GI	none	Score	122
Exons	5932..6108, 5933..6055, 6211..6438, 6248..6289, 6338..6439		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o1.ts	Method	TBLASTX:Soybean
Start	5977	End	6676
GI	none	Score	91
Exons	5977..6108, 5990..6061, 6211..6438, 6227..6289, 6341..6439, 6533..6676, 6538..6675		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o4.tc	Method	TBLASTX:Cress
Start	6538	End	7020
GI	none	Score	54
Exons	6538..6702, 6730..6789, 6832..7020, 6845..6931, 6968..7009		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o2.tw	Method	TBLASTX:Wheat
Start	6751	End	6928
GI	none	Score	182
Exons	6751..6927, 6752..6928		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o6.tm	Method	TBLASTX:Maize
Start	6829	End	7047
GI	none	Score	233
Exons	6829..7047, 6830..7039		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o5.ts	Method	TBLASTX:Soybean
Start	6856	End	7042
GI	none	Score	150
Exons	6856..7041, 6863..7042		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o9.ts	Method	TBLASTX:Soybean
Start	10666	End	14038
GI	none	Score	76
Exons	10666..10851, 10831..10905, 13799..13984, 13964..14038		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o3.tm	Method	TBLASTX:Maize
Start	20109	End	20408
GI	none	Score	385
Exons	20109..20360, 20138..20359, 20262..20408		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o4.ts	Method	TBLASTX:Soybean
Start	20127	End	20348
GI	none	Score	212
Exons	20127..20273, 20138..20269, 20292..20348, 20294..20326		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o6.tc	Method	TBLASTX:Cress
Start	20133	End	20342
GI	none	Score	182
Exons	20133..20267, 20138..20266, 20283..20342		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o1.tm	Method	TBLASTX:Maize
Start	23302	End	23751
GI	none	Score	70
Exons	23302..23433, 23314..23358, 23509..23751, 23510..23719		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o2.tc	Method	TBLASTX:Cress
Start	23509	End	24135
GI	none	Score	147
Exons	23509..23694, 23513..23662, 23704..23748, 23803..23949, 23837..23950, 23956..24015, 24058..24135		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o2.ts	Method	TBLASTX:Soybean
Start	23510	End	24708
GI	none	Score	113
Exons	23510..23719, 23518..23763, 23803..23967, 23810..23983,		

23986..24384, 24059..24124, 24547..24708

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o1.tw	Method	TBLASTX:Wheat
Start	23512	End	23857
GI	none	Score	171
Exons	23512..23745, 23513..23719, 23581..23745, 23803..23856, 23810..23857		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o7.tm	Method	TBLASTX:Maize
Start	23803	End	24312
GI	none	Score	189
Exons	23803..23949, 23804..23953, 24025..24189, 24029..24145, 24166..24312, 24196..24312		

Seq. No.	3177	Seq. ID	OJ990602_04.0103.C36
Gene No.	6796	Strand	-
Start	25442	End	27369
Name	OJ990602_04.0103.C36.o8.gs	Method	GENSCAN
Start	25442	End	27369
GI	none	Score	.49
Exons	25442..25549, 26133..26205, 27248..27369		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6797	Strand	+
Start	11937	End	13245
Name	OJ990602_04.0103.C37.o5.np	Method	AAT/NAP
Start	11937	End	13245
GI	5777617	Score	68
Exons	11937..12019, 13146..13245		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6798	Strand	+
Start	16427	End	19013
Name	OJ990602_04.0103.C37.o1.gp	Method	AAT/GAP
Start	16427	End	19010
GI	31129_1.R1084	Score	1084
Exons	16427..16739, 17315..17373, 17837..17927, 18763..18817, 18920..19010		
GI Descrip.	'3880625/emb|CAB07858.1| 3.0e-27 (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this '		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6798	Strand	+
Start	16427	End	19013
Name	OJ990602_04.0103.C37.o6.np	Method	AAT/NAP
Start	16507	End	19013
GI	3880625	Score	152

Exons	16507..16560, 17315..17373, 17837..17927, 18763..18817, 18920..19013		
GI Descrip.	(Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this ...		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6799	Strand	-
Start	5960	End	12520
Name	OJ990602_04.0103.C37.o1.np	Method	AAT/NAP
Start	5960	End	10827
GI	6466937	Score	2455
Exons	5960..6055, 6581..10209, 10254..10827		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6799	Strand	-
Start	5960	End	12520
Name	OJ990602_04.0103.C37.o2.np	Method	AAT/NAP
Start	5960	End	12520
GI	6466937	Score	2456
Exons	5960..6055, 6581..10209, 10254..10824, 12485..12520		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6799	Strand	-
Start	5960	End	12520
Name	OJ990602_04.0103.C37.o3.np	Method	AAT/NAP
Start	10363	End	12039
GI	6539588	Score	252
Exons	10363..10433, 11734..12039		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o3.tm	Method	TBLASTX:Maize
Start	6570	End	7208
GI	none	Score	133
Exons	6570..6767, 6570..6821, 6807..7208, 6946..7110		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o2.tw	Method	TBLASTX:Wheat
Start	6741	End	7142
GI	none	Score	108
Exons	6741..7142, 6853..7110		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o4.tw	Method	TBLASTX:Wheat
Start	7203	End	7595

GI	none	Score	117
Exons	7203..7595, 7216..7551		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	7215	End	7850
GI	none	Score	197
Exons	7215..7748, 7215..7850, 7537..7749		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o1.ts	Method	TBLASTX:Soybean
Start	7443	End	7820
GI	none	Score	130
Exons	7443..7820, 7537..7743		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o3.tw	Method	TBLASTX:Wheat
Start	7683	End	8078
GI	none	Score	77
Exons	7683..8078, 7695..7949		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o4.tm	Method	TBLASTX:Maize
Start	7977	End	8593
GI	none	Score	308
Exons	7977..8072, 8067..8510, 8107..8565, 8510..8593		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o5.tw	Method	TBLASTX:Wheat
Start	8184	End	8873
GI	none	Score	59
Exons	8184..8243, 8651..8872, 8760..8873		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o5.ts	Method	TBLASTX:Soybean
Start	8262	End	8501
GI	none	Score	189
Exons	8262..8501		

Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o2.ts	Method	TBLASTX:Soybean
Start	8540	End	8896
GI	none	Score	79

Exons	8540..8635, 8639..8896, 8643..8885		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o7.tm	Method	TBLASTX:Maize
Start	8594	End	8812
GI	none	Score	103
Exons	8594..8635, 8639..8812, 8663..8812		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o2.tm	Method	TBLASTX:Maize
Start	8819	End	9295
GI	none	Score	301
Exons	8819..9295, 8820..9290		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o1.tw	Method	TBLASTX:Wheat
Start	8873	End	9355
GI	none	Score	237
Exons	8873..9355, 8877..9275		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o4.ts	Method	TBLASTX:Soybean
Start	9005	End	9319
GI	none	Score	218
Exons	9005..9319		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o5.tm	Method	TBLASTX:Maize
Start	9344	End	10183
GI	none	Score	82
Exons	9344..9529, 9560..9652, 9740..9985, 10038..10172, 10049..10183		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6800	Strand	-
Start	13029	End	13133
Name	OJ990602_04.0103.C37.o4.np	Method	AAT/NAP
Start	13029	End	13133
GI	5777617	Score	86
Exons	13029..13133		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6801	Strand	
Start	16682	End	19014
Name	OJ990602_04.0103.C37.o6.tm	Method	TBLASTX:Maize
Start	16682	End	19014
GI	none	Score	92

Exons	16682..16738, 16688..16756, 16689..16742, 17311..17373, 17312..17374, 17314..17379, 17835..17930, 17836..17928, 17837..17932, 18754..18822, 18757..18828, 18907..19011, 18914..19009, 18921..19013, 18921..19013, 18922..19014		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6801	Strand	
Start	16682	End	19014
Name	OJ990602_04.0103.C37.o1.tc	Method	TBLASTX:Cress
Start	16688	End	19014
GI	none	Score	78
Exons	16688..16756, 16689..16742, 17311..17421, 17312..17374, 17835..17930, 17837..17929, 17838..17933, 18754..18822, 18762..18812, 18907..19011, 18920..19012, 18921..19013, 18922..19014		
Seq. No.	3178	Seq. ID	OJ990602_04.0103.C37
Gene No.	6801	Strand	
Start	16682	End	19014
Name	OJ990602_04.0103.C37.o3.ts	Method	TBLASTX:Soybean
Start	16688	End	19013
GI	none	Score	79
Exons	16688..16738, 16689..16742, 17311..17421, 17312..17374, 17834..17929, 17835..17930, 17838..17933, 17839..17934, 18754..18822, 18760..18828, 18907..19011, 18921..19013		
Seq. No.	3179	Seq. ID	OJ990602_04.0103.C38
Gene No.	6802	Strand	+
Start	387	End	1696
Name	OJ990602_04.0103.C38.o1.tw	Method	TBLASTX:Wheat
Start	384	End	636
GI	none	Score	60
Exons	384..407, 385..426, 385..456, 431..460, 459..614, 464..613, 513..635, 514..636		
Seq. No.	3179	Seq. ID	OJ990602_04.0103.C38
Gene No.	6802	Strand	+
Start	387	End	1696
Name	OJ990602_04.0103.C38.o1.gs	Method	GENSCAN
Start	387	End	1696
GI	none	Score	.75
Exons	387..615, 775..953, 1424..1696		
Seq. No.	3179	Seq. ID	OJ990602_04.0103.C38
Gene No.	6802	Strand	+
Start	387	End	1696
Name	OJ990602_04.0103.C38.o1.tm	Method	TBLASTX:Maize
Start	425	End	1131
GI	none	Score	245
Exons	425..460, 459..614, 461..613, 513..614, 517..618, 748..951, 774..953, 776..958, 776..958, 1063..1131, 1064..1114		
Seq. No.	3179	Seq. ID	OJ990602_04.0103.C38
Gene No.	6802	Strand	+
Start	387	End	1696
Name	OJ990602_04.0103.C38.o1.gp	Method	AAT/GAP
Start	562	End	1145

GI	2312407	Score	512
Exons	562..615, 775..958, 1066..1145		

Seq. No.	3180	Seq. ID	OJ990602_04.0103.C40
Gene No.	6803	Strand	-
Start	130	End	178
Name	OJ990602_04.0103.C40.o1.gs	Method	GENSCAN
Start	130	End	178
GI	none	Score	.56
Exons	130..178		

Seq. No.	3181	Seq. ID	OJ990602_04.0103.C41
Gene No.	6804	Strand	-
Start	471	End	773
Name	OJ990602_04.0103.C41.o1.gs	Method	GENSCAN
Start	471	End	773
GI	none	Score	.91
Exons	471..773		

Seq. No.	3182	Seq. ID	OJ990602_04.0103.C43
Gene No.	6805	Strand	-
Start	199	End	273
Name	OJ990602_04.0103.C43.o1.gs	Method	GENSCAN
Start	199	End	273
GI	none	Score	.41
Exons	199..273		

Seq. No.	3183	Seq. ID	OJ990602_04.0103.C44
Gene No.	6806	Strand	+
Start	1936	End	2265
Name	OJ990602_04.0103.C44.o1.gp	Method	AAT/GAP
Start	1936	End	2182
GI	2311051	Score	430
Exons	1936..2182		

Seq. No.	3183	Seq. ID	OJ990602_04.0103.C44
Gene No.	6806	Strand	+
Start	1936	End	2265
Name	OJ990602_04.0103.C44.o1.gs	Method	GENSCAN
Start	1967	End	2238
GI	none	Score	.95
Exons	1967..2238		

Seq. No.	3183	Seq. ID	OJ990602_04.0103.C44
Gene No.	6806	Strand	+
Start	1936	End	2265
Name	OJ990602_04.0103.C44.o1.tm	Method	TBLASTX:Maize
Start	1982	End	2263
GI	none	Score	54
Exons	1982..2014, 2053..2103, 2054..2104, 2093..2263, 2107..2262, 2156..2263		

Seq. No.	3183	Seq. ID	OJ990602_04.0103.C44
Gene No.	6806	Strand	+
Start	1936	End	2265
Name	OJ990602_04.0103.C44.o1.np	Method	AAT/NAP
Start	2012	End	2265

GI	6911846	Score	109
Exons	2012..2265		
GI Descrip.	(AL138649) sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	3184	Seq. ID	OJ990602_04.0103.C45
Gene No.	6807	Strand	-
Start	65	End	857
Name	OJ990602_04.0103.C45.o1.gs	Method	GENSCAN
Start	65	End	857
GI	none	Score	.94
Exons	65..272, 782..857		

Seq. No.	3185	Seq. ID	OJ990602_04.0103.C48
Gene No.	6808	Strand	+
Start	1	End	700
Name	OJ990602_04.0103.C48.o1.np	Method	AAT/NAP
Start	1	End	700
GI	5852180	Score	336
Exons	1..83, 369..700		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o1.np	Method	AAT/NAP
Start	1	End	1087
GI	6539553	Score	1844
Exons	1..1087		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o2.ts	Method	TBLASTX:Soybean
Start	48	End	215
GI	none	Score	176
Exons	48..215, 59..136		

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o2.tw	Method	TBLASTX:Wheat
Start	71	End	263
GI	none	Score	275
Exons	71..142, 72..263, 72..263		

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o1.tm	Method	TBLASTX:Maize
Start	120	End	624
GI	none	Score	202
Exons	120..395, 203..355, 249..359, 448..624		

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o1.ts	Method	TBLASTX:Soybean
Start	216	End	597
GI	none	Score	155
Exons	216..395, 224..337, 225..395,	442..597,	450..488

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o1.tw	Method	TBLASTX:Wheat
Start	264	End	1021
GI	none	Score	193
Exons	264..395, 272..355, 273..392, 450..587, 596..730, 605..742, 862..1020	366..593, 388..594, 410..619, 774..1004, 782..1021, 804..1001,	

Seq. No.	3186	Seq. ID	OJ990602_04.0103.C49
Gene No.	6809	Strand	+
Start	1	End	1087
Name	OJ990602_04.0103.C49.o1.gs	Method	GENSCAN
Start	647	End	1003
GI	none	Score	.42
Exons	647..1003		

Seq. No.	3187	Seq. ID	OJ990602_04.0103.C50
Gene No.	6810	Strand	+
Start	1	End	234
Name	OJ990602_04.0103.C50.o1.np	Method	AAT/NAP
Start	1	End	234
GI	6403494	Score	177
Exons	1..234		
GI Descrip.	(AC010871) putative reversibly glycosylatable polypeptide [Arabidopsis thaliana]		

Seq. No.	3187	Seq. ID	OJ990602_04.0103.C50
Gene No.	6810	Strand	+
Start	1	End	234
Name	OJ990602_04.0103.C50.o1.tc	Method	TBLASTX:Cress
Start	55	End	184
GI	none	Score	210
Exons	55..183, 56..184		

Seq. No.	3187	Seq. ID	OJ990602_04.0103.C50
Gene No.	6810	Strand	+
Start	1	End	234
Name	OJ990602_04.0103.C50.o1.tm	Method	TBLASTX:Maize
Start	55	End	184
GI	none	Score	214
Exons	55..183, 56..184		

Seq. No.	3187	Seq. ID	OJ990602_04.0103.C50
Gene No.	6810	Strand	+
Start	1	End	234
Name	OJ990602_04.0103.C50.o1.tw	Method	TBLASTX:Wheat
Start	55	End	163

GI	none	Score	192
Exons	55..162, 56..163		

Seq. No.	3187	Seq. ID	OJ990602_04.0103.C50
Gene No.	6810	Strand	+
Start	1	End	234
Name	OJ990602_04.0103.C50.o1.ts	Method	TBLASTX:Soybean
Start	55	End	184
GI	none	Score	214
Exons	55..183, 56..184		

Seq. No.	3187	Seq. ID	OJ990602_04.0103.C50
Gene No.	6810	Strand	+
Start	1	End	234
Name	OJ990602_04.0103.C50.o1.gp	Method	AAT/GAP
Start	56	End	171
GI	213_1.R1084	Score	168
Exons	56..171		
GI Descrip.	'4158221/emb|CAA77235| 0.0e+00 (Y18624) reversibly glycosylated polypeptide [Oryza sativa]'		

Seq. No.	3188	Seq. ID	OJ990602_04.0103.C54
Gene No.	6811	Strand	+
Start	1	End	455
Name	OJ990602_04.0103.C54.o1.gp	Method	AAT/GAP
Start	1	End	417
GI	888_1.R1084	Score	289
Exons	1..41, 141..186, 283..417		
GI Descrip.	'6006607/emb|CAB56800.1| 1.0e-133 (AJ011675) MADS box protein, MADS28 [Oryza sativa]'		

Seq. No.	3188	Seq. ID	OJ990602_04.0103.C54
Gene No.	6811	Strand	+
Start	1	End	455
Name	OJ990602_04.0103.C54.o1.np	Method	AAT/NAP
Start	1	End	455
GI	6175371	Score	203
Exons	1..51, 148..186, 283..455		
GI Descrip.	(AF091458) MADS box transcription factor MADS18 [Oryza sativa]		

Seq. No.	3188	Seq. ID	OJ990602_04.0103.C54
Gene No.	6811	Strand	+
Start	1	End	455
Name	OJ990602_04.0103.C54.o1.gs	Method	GENSCAN
Start	148	End	414
GI	none	Score	.72
Exons	148..186, 226..414		

Seq. No.	3189	Seq. ID	OJ990602_04.0103.C55
Gene No.	6812	Strand	+
Start	1	End	573
Name	OJ990602_04.0103.C55.o1.np	Method	AAT/NAP
Start	1	End	573
GI	4158232	Score	208
Exons	1..27, 432..573		
GI Descrip.	(Y18626) reversibly glycosylated polypeptide [Triticum aestivum]		

Seq. No.	3189	Seq. ID	OJ990602_04.0103.C55
Gene No.	6812	Strand	+
Start	1	End	573
Name	OJ990602_04.0103.C55.o1.tc	Method	TBLASTX:Cress
Start	431	End	573
GI	none	Score	235
Exons	431..571, 432..572, 433..573		

Seq. No.	3189	Seq. ID	OJ990602_04.0103.C55
Gene No.	6812	Strand	+
Start	1	End	573
Name	OJ990602_04.0103.C55.o1.tm	Method	TBLASTX:Maize
Start	431	End	572
GI	none	Score	248
Exons	431..571, 432..572, 432..572		

Seq. No.	3189	Seq. ID	OJ990602_04.0103.C55
Gene No.	6812	Strand	+
Start	1	End	573
Name	OJ990602_04.0103.C55.o1.ts	Method	TBLASTX:Soybean
Start	431	End	573
GI	none	Score	244
Exons	431..571, 432..572, 451..573		

Seq. No.	3189	Seq. ID	OJ990602_04.0103.C55
Gene No.	6812	Strand	+
Start	1	End	573
Name	OJ990602_04.0103.C55.o1.gs	Method	GENSCAN
Start	432	End	565
GI	none	Score	1
Exons	432..565		

Seq. No.	3190	Seq. ID	OJ990602_04.0103.C56
Gene No.	6813	Strand	-
Start	1	End	386
Name	OJ990602_04.0103.C56.o1.np	Method	AAT/NAP
Start	1	End	386
GI	6006607	Score	96
Exons	1..144, 340..386		
GI Descrip.	(AJ011675) MADS box protein, MADS28 [Oryza sativa]		

Seq. No.	3190	Seq. ID	OJ990602_04.0103.C56
Gene No.	6813	Strand	-
Start	1	End	386
Name	OJ990602_04.0103.C56.o1.gp	Method	AAT/GAP
Start	55	End	144
GI	888_1.R1084	Score	131
Exons	55..144		
GI Descrip.	'6006607/emb|CAB56800.1| 1.0e-133 (AJ011675) MADS box protein, MADS28 [Oryza sativa]'		

Seq. No.	3190	Seq. ID	OJ990602_04.0103.C56
Gene No.	6813	Strand	-
Start	1	End	386
Name	OJ990602_04.0103.C56.o1.gs	Method	GENSCAN
Start	60	End	137
GI	none	Score	.9

Exons	60..137		
Seq. No.	3191	Seq. ID	OJ990602_04.0103.C59
Gene No.	6814	Strand	+
Start	249	End	680
Name	OJ990602_04.0103.C59.o1.gp	Method	AAT/GAP
Start	249	End	680
GI	38782_1.R1084	Score	726
Exons	249..680		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	3191	Seq. ID	OJ990602_04.0103.C59
Gene No.	6815	Strand	-
Start	513	End	586
Name	OJ990602_04.0103.C59.o1.gs	Method	GENSCAN
Start	513	End	586
GI	none	Score	.89
Exons	513..586		
Seq. No.	3192	Seq. ID	OJ990602_04.0103.C61
Gene No.	6816	Strand	-
Start	34	End	210
Name	OJ990602_04.0103.C61.o1.gs	Method	GENSCAN
Start	34	End	210
GI	none	Score	.84
Exons	34..210		
Seq. No.	3193	Seq. ID	OJ990602_04.0103.C62
Gene No.	6817	Strand	+
Start	312	End	884
Name	OJ990602_04.0103.C62.o1.gs	Method	GENSCAN
Start	312	End	884
GI	none	Score	.8
Exons	312..508, 844..884		
Seq. No.	3193	Seq. ID	OJ990602_04.0103.C62
Gene No.	6818	Strand	-
Start	189	End	1267
Name	OJ990602_04.0103.C62.o1.np	Method	AAT/NAP
Start	189	End	1267
GI	4680179	Score	1688
Exons	189..1267		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	3193	Seq. ID	OJ990602_04.0103.C62
Gene No.	6818	Strand	-
Start	189	End	1267
Name	OJ990602_04.0103.C62.o2.tw	Method	TBLASTX:Wheat
Start	245	End	566
GI	none	Score	73
Exons	245..565, 432..566		
Seq. No.	3193	Seq. ID	OJ990602_04.0103.C62
Gene No.	6818	Strand	-
Start	189	End	1267
Name	OJ990602_04.0103.C62.o1.tm	Method	TBLASTX:Maize

Start	425	End	1011
GI	none	Score	158
Exons	425..694, 426..686, 715..852, 755..850, 850..1011, 857..1003, 895..1005		

Seq. No.	3193	Seq. ID	OJ990602_04.0103.C62
Gene No.	6818	Strand	-
Start	189	End	1267
Name	OJ990602_04.0103.C62.o1.tw	Method	TBLASTX:Wheat
Start	566	End	1191
GI	none	Score	100
Exons	566..694, 567..695, 727..1191, 749..1135, 1162..1188		

Seq. No.	3193	Seq. ID	OJ990602_04.0103.C62
Gene No.	6818	Strand	-
Start	189	End	1267
Name	OJ990602_04.0103.C62.o2.tm	Method	TBLASTX:Maize
Start	1012	End	1233
GI	none	Score	171
Exons	1012..1233, 1013..1222		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6819	Strand	+
Start	844	End	5885
Name	OJ990602_04.0103.C63.o2.np	Method	AAT/NAP
Start	844	End	5885
GI	5295955	Score	484
Exons	844..912, 2519..2670, 3829..3945, 4488..4602, 5283..5696, 5772..5885		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o1.np	Method	AAT/NAP
Start	1	End	2865
GI	6721517	Score	3878
Exons	1..1714, 1763..2514, 2594..2748, 2802..2865		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o5.tw	Method	TBLASTX:Wheat
Start	49	End	197
GI	none	Score	131
Exons	49..180, 51..197, 52..192		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o1.tm	Method	TBLASTX:Maize
Start	54	End	578
GI	none	Score	40
Exons	54..578, 160..261, 307..564		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o2.tw	Method	TBLASTX:Wheat
Start	198	End	599
GI	none	Score	226
Exons	198..599, 199..561, 201..599		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o1.ts	Method	TBLASTX:Soybean
Start	312	End	707
GI	none	Score	134
Exons	312..671, 313..555, 530..664, 594..668, 675..707, 675..707		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o2.tm	Method	TBLASTX:Maize
Start	594	End	1065
GI	none	Score	111
Exons	594..1061, 627..974, 820..1065		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o1.tw	Method	TBLASTX:Wheat
Start	648	End	1134
GI	none	Score	215
Exons	648..1130, 690..1106, 691..1134		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o2.ts	Method	TBLASTX:Soybean
Start	780	End	1061
GI	none	Score	181
Exons	780..1061		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o4.tw	Method	TBLASTX:Wheat
Start	1304	End	1658
GI	none	Score	77
Exons	1304..1657, 1340..1474, 1563..1658		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o3.tm	Method	TBLASTX:Maize
Start	1391	End	1711
GI	none	Score	202
Exons	1391..1711		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63

Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o4.tm	Method	TBLASTX:Maize
Start	2020	End	2352
GI	none	Score	92
Exons	2020..2352, 2165..2335		

Seq. No.	3194	Seq. ID	OJ990602_04.0103.C63
Gene No.	6820	Strand	-
Start	1	End	2865
Name	OJ990602_04.0103.C63.o3.tw	Method	TBLASTX:Wheat
Start	2233	End	2596
GI	none	Score	74
Exons	2233..2592, 2234..2467, 2492..2596		

Seq. No.	3195	Seq. ID	OJ990602_04.0103.C64
Gene No.	6821	Strand	-
Start	1	End	1309
Name	OJ990602_04.0103.C64.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	6907088	Score	308
Exons	1..64, 874..1110, 1287..1309		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3196	Seq. ID	OJ990602_04.0103.C65
Gene No.	6822	Strand	-
Start	112	End	216
Name	OJ990602_04.0103.C65.o1.gs	Method	GENSCAN
Start	112	End	216
GI	none	Score	.76
Exons	112..216		

Seq. No.	3197	Seq. ID	OJ990602_04.0103.C66
Gene No.	6823	Strand	-
Start	281	End	393
Name	OJ990602_04.0103.C66.o1.gp	Method	AAT/GAP
Start	281	End	393
GI	uC-osflcyp088b12b1	Score	153
Exons	281..393		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3197	Seq. ID	OJ990602_04.0103.C66
Gene No.	6824	Strand	-
Start	356	End	794
Name	OJ990602_04.0103.C66.o1.gs	Method	GENSCAN
Start	356	End	794
GI	none	Score	.56
Exons	356..415, 789..794		

Seq. No.	3198	Seq. ID	OJ990602_04.0103.C67
Gene No.	6825	Strand	+
Start	501	End	1273
Name	OJ990602_04.0103.C67.o1.gs	Method	GENSCAN
Start	501	End	1273
GI	none	Score	.48
Exons	501..1273		

Seq. No.	3198	Seq. ID	OJ990602_04.0103.C67
Gene No.	6826	Strand	-
Start	1	End	1311
Name	OJ990602_04.0103.C67.o1.np	Method	AAT/NAP
Start	1	End	1311
GI	1184100	Score	169
Exons	1..70, 575..1311		
GI Descrip.	(U45958) pistil extensin-like protein [Nicotiana alata]		

Seq. No.	3199	Seq. ID	OJ990602_04.0103.C68
Gene No.	6827	Strand	+
Start	846	End	902
Name	OJ990602_04.0103.C68.o1.gs	Method	GENSCAN
Start	846	End	902
GI	none	Score	.51
Exons	846..902		

Seq. No.	3200	Seq. ID	OJ990602_04.0103.C69
Gene No.	6828	Strand	-
Start	140	End	1181
Name	OJ990602_04.0103.C69.o1.gs	Method	GENSCAN
Start	140	End	1181
GI	none	Score	.49
Exons	140..311, 1077..1181		

Seq. No.	3201	Seq. ID	OJ990602_04.0103.C70
Gene No.	6829	Strand	+
Start	1	End	796
Name	OJ990602_04.0103.C70.o1.np	Method	AAT/NAP
Start	1	End	796
GI	6815062	Score	303
Exons	1..118, 203..443, 502..796		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	3201	Seq. ID	OJ990602_04.0103.C70
Gene No.	6829	Strand	+
Start	1	End	796
Name	OJ990602_04.0103.C70.o1.gs	Method	GENSCAN
Start	9	End	609
GI	none	Score	.83
Exons	9..118, 517..609		

Seq. No.	3201	Seq. ID	OJ990602_04.0103.C70
Gene No.	6829	Strand	+
Start	1	End	796
Name	OJ990602_04.0103.C70.o1.tm	Method	TBLASTX:Maize
Start	203	End	709
GI	none	Score	228
Exons	203..412, 253..411, 509..586, 626..709		

Seq. No.	3202	Seq. ID	OJ990602_04.0103.C71
Gene No.	6830	Strand	-
Start	263	End	569
Name	OJ990602_04.0103.C71.o1.gs	Method	GENSCAN

Start	263	End	569
GI	none	Score	.82
Exons	263..439, 465..569		

Seq. No.	3203	Seq. ID	OJ990602_04.0103.C72
Gene No.	6831	Strand	-
Start	75	End	314
Name	OJ990602_04.0103.C72.o1.gs	Method	GENSCAN
Start	75	End	314
GI	none	Score	.69
Exons	75..167, 227..314		

Seq. No.	3204	Seq. ID	OJ990602_04.0103.C73
Gene No.	6832	Strand	-
Start	1	End	371
Name	OJ990602_04.0103.C73.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	LIB3432-059-P1-K1-D8	Score	668
Exons	1..371		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	3205	Seq. ID	OJ990602_04.0103.C77
Gene No.	6833	Strand	+
Start	1	End	667
Name	OJ990602_04.0103.C77.o1.np	Method	AAT/NAP
Start	1	End	667
GI	6539553	Score	1114
Exons	1..667		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	3205	Seq. ID	OJ990602_04.0103.C77
Gene No.	6833	Strand	+
Start	1	End	667
Name	OJ990602_04.0103.C77.o1.tm	Method	TBLASTX:Maize
Start	10	End	349
GI	none	Score	90
Exons	10..129, 10..99, 100..222, 119..349, 130..348		

Seq. No.	3205	Seq. ID	OJ990602_04.0103.C77
Gene No.	6833	Strand	+
Start	1	End	667
Name	OJ990602_04.0103.C77.o1.tw	Method	TBLASTX:Wheat
Start	205	End	666
GI	none	Score	92
Exons	205..273, 206..280, 295..648, 295..666, 296..664		

Seq. No.	3205	Seq. ID	OJ990602_04.0103.C77
Gene No.	6833	Strand	+
Start	1	End	667
Name	OJ990602_04.0103.C77.o1.ts	Method	TBLASTX:Soybean
Start	212	End	553
GI	none	Score	93
Exons	212..325, 238..318, 344..553, 349..480		

Seq. No.	3206	Seq. ID	OJ990602_04.0103.C80
Gene No.	6834	Strand	-
Start	184	End	297
Name	OJ990602_04.0103.C80.o1.gs	Method	GENSCAN
Start	184	End	297
GI	none	Score	.73
Exons	184..297		

Seq. No.	3207	Seq. ID	OJ990602_04.0103.C81
Gene No.	6835	Strand	-
Start	440	End	552
Name	OJ990602_04.0103.C81.o1.gs	Method	GENSCAN
Start	440	End	552
GI	none	Score	.96
Exons	440..552		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o1.np	Method	AAT/NAP
Start	1	End	2254
GI	5441889	Score	151
Exons	1..330, 2215..2254		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o1.ts	Method	TBLASTX:Soybean
Start	1	End	331
GI	none	Score	368
Exons	1..216, 2..244, 11..244, 219..311, 227..331, 230..328		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o1.tc	Method	TBLASTX:Cress
Start	1	End	295
GI	none	Score	327
Exons	1..216, 11..223, 12..239, 84..227, 227..295, 231..293		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o1.tm	Method	TBLASTX:Maize
Start	1	End	2186
GI	none	Score	216
Exons	1..237, 1..219, 2..244, 2..235, 3..236, 228..311, 229..318, 230..331, 476..679, 511..678, 621..683, 736..849, 743..847, 762..890, 923..979, 949..975, 1068..1238, 1069..1239, 1073..1261, 1088..1267, 1845..1937, 1849..1893, 1903..1947, 1904..1948, 2001..2186, 2029..2175		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o1.gs	Method	GENSCAN
Start	48	End	1948
GI	none	Score	.69
Exons	48..310, 512..678, 760..974, 1076..1239, 1833..1948		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o2.tc	Method	TBLASTX:Cress
Start	502	End	859
GI	none	Score	91
Exons	502..675, 509..679, 511..678, 740..859, 758..859		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o2.ts	Method	TBLASTX:Soybean
Start	521	End	859
GI	none	Score	132
Exons	521..676, 521..664, 523..678, 743..859, 757..798		

Seq. No.	3208	Seq. ID	OJ990602_04.0103.C82
Gene No.	6836	Strand	+
Start	1	End	2254
Name	OJ990602_04.0103.C82.o1.gp	Method	AAT/GAP
Start	591	End	2174
GI	19384_1.R1084	Score	1308
Exons	591..678, 760..974, 1076..1239, 1833..1948, 2038..2174		
GI Descrip.	'135399/sp|P28752|TBA1_ORYSA 5.0e-36 TUBULIN ALPHA-1 CHAIN >gi_100716_pir__S20758 tubulin alpha-1 chain - rice >gi_20379_emb_CAA77988_ (Z11931) alpha 1 tubulin [Oryza sativa] >gi_1136124_emb_CAA62918_ (X91808) alfa-tubulin [Oryza sativa]'		

Seq. No.	3209	Seq. ID	OJ990602_04.0103.C83
Gene No.	6837	Strand	+
Start	1	End	1156
Name	OJ990602_04.0103.C83.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	4467126	Score	545
Exons	1..123, 240..431, 510..741, 943..1156		
GI Descrip.	(AL035538) guanine nucleotide-exchange protein-like [Arabidopsis thaliana]		

Seq. No.	3209	Seq. ID	OJ990602_04.0103.C83
Gene No.	6837	Strand	+
Start	1	End	1156
Name	OJ990602_04.0103.C83.o1.ts	Method	TBLASTX:Soybean
Start	244	End	690
GI	none	Score	300
Exons	244..435, 246..434, 477..650, 507..650, 508..690, 512..676		

Seq. No.	3209	Seq. ID	OJ990602_04.0103.C83
Gene No.	6837	Strand	+
Start	1	End	1156

Name	OJ990602_04.0103.C83.o1.tc	Method	TBLASTX:Cress
Start	250	End	732
GI	none	Score	166
Exons	250..435, 508..732		

Seq. No.	3209	Seq. ID	OJ990602_04.0103.C83
Gene No.	6837	Strand	+
Start	1	End	1156
Name	OJ990602_04.0103.C83.o2.ts	Method	TBLASTX:Soybean
Start	691	End	1113
GI	none	Score	436
Exons	691..1062, 700..1050, 726..1064, 1054..1110, 1059..1112, 1060..1113		

Seq. No.	3210	Seq. ID	OJ990602_04.0103.C84
Gene No.	6838	Strand	-
Start	115	End	522
Name	OJ990602_04.0103.C84.o1.gs	Method	GENSCAN
Start	115	End	486
GI	none	Score	.56
Exons	115..171, 264..486		

Seq. No.	3210	Seq. ID	OJ990602_04.0103.C84
Gene No.	6838	Strand	-
Start	115	End	522
Name	OJ990602_04.0103.C84.o1.tm	Method	TBLASTX:Maize
Start	116	End	522
GI	none	Score	64
Exons	116..205, 120..215, 247..306, 265..306, 314..502, 316..522, 317..418, 321..482		

Seq. No.	3211	Seq. ID	OJ990602_04.0103.C85
Gene No.	6839	Strand	+
Start	222	End	527
Name	OJ990602_04.0103.C85.o1.gs	Method	GENSCAN
Start	222	End	527
GI	none	Score	.73
Exons	222..349, 390..527		

Seq. No.	3211	Seq. ID	OJ990602_04.0103.C85
Gene No.	6840	Strand	-
Start	1	End	82
Name	OJ990602_04.0103.C85.o1.np	Method	AAT/NAP
Start	1	End	82
GI	5777617	Score	71
Exons	1..82		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3212	Seq. ID	OJ990602_04.0103.C86
Gene No.	6841	Strand	-
Start	183	End	390
Name	OJ990602_04.0103.C86.o1.tm	Method	TBLASTX:Maize
Start	182	End	390
GI	none	Score	161
Exons	182..373, 184..390, 194..379, 213..380		

Seq. No.	3212	Seq. ID	OJ990602_04.0103.C86

Gene No.	6841	Strand	-
Start	183	End	390
Name	OJ990602_04.0103.C86.o1.gp	Method	AAT/GAP
Start	183	End	379
GI	31129_1.R1084	Score	331
Exons	183..379		
GI Descrip.	'3880625/emb|CAB07858.1| 3.0e-27 (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this '		

Seq. No.	3213	Seq. ID	OJ990602_03.0107.C2
Gene No.	6842	Strand	-
Start	1	End	738
Name	OJ990602_03.0107.C2.o1.np	Method	AAT/NAP
Start	1	End	738
GI	417154	Score	120
Exons	1..248, 669..738		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	3213	Seq. ID	OJ990602_03.0107.C2
Gene No.	6842	Strand	-
Start	1	End	738
Name	OJ990602_03.0107.C2.o2.np	Method	AAT/NAP
Start	1	End	738
GI	4204859	Score	112
Exons	1..285, 705..738		
GI Descrip.	(U55859) heat shock protein 80 [Triticum aestivum]		

Seq. No.	3213	Seq. ID	OJ990602_03.0107.C2
Gene No.	6842	Strand	-
Start	1	End	738
Name	OJ990602_03.0107.C2.o1.gs	Method	GENSCAN
Start	69	End	292
GI	none	Score	.65
Exons	69..292		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6843	Strand	+
Start	280	End	835
Name	OJ990602_03.0107.C3.o1.gp	Method	AAT/GAP
Start	280	End	835
GI	2592_1.R1084	Score	1112
Exons	280..835		
GI Descrip.	'3914005/sp|P93647|LON1_MAIZE 1.0e-149 MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR >gi_1816586 (U85494) LON1 protease [Zea mays]'		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6844	Strand	+
Start	3905	End	4163
Name	OJ990602_03.0107.C3.o3.gp	Method	AAT/GAP
Start	3905	End	4163
GI	uC-osroM202039c02a1	Score	439

Exons	3905..4163		
GI Descrip.	'3522950/gb|AAC34232.1| 3.0e-09 (AC004411) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6845	Strand	+
Start	5558	End	6721
Name	OJ990602_03.0107.C3.o2.gs	Method	GENSCAN
Start	5558	End	6721
GI	none	Score	.85
Exons	5558..5691, 6396..6525, 6572..6721		
Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6846	Strand	+
Start	7113	End	8212
Name	OJ990602_03.0107.C3.o3.gs	Method	GENSCAN
Start	7113	End	8165
GI	none	Score	1
Exons	7113..8165		
Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6846	Strand	+
Start	7113	End	8212
Name	OJ990602_03.0107.C3.o2.np	Method	AAT/NAP
Start	7125	End	8162
GI	1076625	Score	826
Exons	7125..8162		
GI Descrip.	glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) precursor - common tobacco gi|473102|emb|CAA82271| (Z28697) beta-1,3-glucanase [Nicotiana tabacum]		
Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6846	Strand	+
Start	7113	End	8212
Name	OJ990602_03.0107.C3.o4.gp	Method	AAT/GAP
Start	7874	End	8212
GI	5667361	Score	641
Exons	7874..8212		
GI Descrip.	1076625/pir||S46495 4.0e-11 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) precursor - common tobacco >gi_473102_emb_CAA82271_ (Z28697) beta-1,3-glucanase [Nicotiana tabacum]		
Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6847	Strand	-
Start	1502	End	4514
Name	OJ990602_03.0107.C3.o2.gp	Method	AAT/GAP
Start	912	End	1799
GI	13663_1.R1084	Score	911
Exons	912..1161, 1546..1799		
GI Descrip.	'3522950/gb|AAC34232.1| 6.0e-23 (AC004411) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6847	Strand	-
Start	1502	End	4514
Name	OJ990602_03.0107.C3.o1.gs	Method	GENSCAN

Start	1502	End	4231
GI	none	Score	.77
Exons	1502..1996, 2085..2284, 2357..2476, 3916..4231		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6847	Strand	-
Start	1502	End	4514
Name	OJ990602_03.0107.C3.o1.np	Method	AAT/NAP
Start	1544	End	4514
GI	3522950	Score	874
Exons	1544..1996, 2085..2476, 3916..4085, 4391..4514		
GI Descrip.	(AC004411) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o1.tm	Method	TBLASTX:Maize
Start	1542	End	4088
GI	none	Score	654
Exons	1542..2000, 1544..2002, 2076..2477, 2084..2479, 2097..2483, 3909..4088, 3914..4081		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o1.ts	Method	TBLASTX:Soybean
Start	1556	End	1904
GI	5509517	Score	304
Exons	1556..1903, 1557..1904, 1710..1904		
GI Descrip.	3522950 2.0e-36 (AC004411) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o5.ts	Method	TBLASTX:Soybean
Start	2304	End	4085
GI	none	Score	97
Exons	2304..2477, 2305..2484, 2307..2432, 3909..4085, 3914..4078		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o2.tm	Method	TBLASTX:Maize
Start	7196	End	7571
GI	none	Score	525
Exons	7196..7564, 7197..7571		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o2.tc	Method	TBLASTX:Cress
Start	7200	End	7571
GI	none	Score	110
Exons	7200..7388, 7386..7571		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3

Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o2.ts	Method	TBLASTX:Soybean
Start	7209	End	8159
GI	none	Score	120
Exons	7209..7400, 7401..7499, 7521..8018, 8019..8087, 8076..8159		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o1.tc	Method	TBLASTX:Cress
Start	7635	End	8087
GI	none	Score	280
Exons	7635..8087		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o4.tm	Method	TBLASTX:Maize
Start	7803	End	8170
GI	none	Score	434
Exons	7803..8168, 7814..8104, 8109..8165, 8120..8170		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o5.gp	Method	AAT/GAP
Start	8513	End	10081
GI	LIB3432-021-P1-K1-A4	Score	768
Exons	8513..8626, 8763..8913, 9797..9868, 9974..10081		
GI Descrip.	'1076625/pir||S46495 4.0e-11 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) precursor - common tobacco >gi_473102_emb_CAA82271_ (Z28697) beta-1,3-glucanase [Nicotiana tabacum]'		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o3.ts	Method	TBLASTX:Soybean
Start	8816	End	10171
GI	none	Score	101
Exons	8816..8920, 8818..8919, 9765..9866, 9779..9868, 9969..10169, 9971..10171		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o3.tm	Method	TBLASTX:Maize
Start	8824	End	11934
GI	none	Score	100
Exons	8824..8919, 8826..8906, 8828..8929, 9765..9869, 9772..9891, 9779..9925, 9802..9891, 9969..10211, 9971..10189, 10249..10332, 10250..10333, 10254..10334, 10257..10334, 10258..10335, 10868..11047, 10881..11048, 10885..11043, 11171..11320, 11172..11321, 11172..11321, 11174..11326, 11383..11484, 11413..11484, 11415..11486, 11418..11513, 11547..11687, 11572..11688, 11573..11689, 11849..11932, 11851..11934,		

11851..11934

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o4.gs	Method	GENSCAN
Start	9765	End	11932
GI	none	Score	.91
Exons	9765..9776, 9974..10168, 10249..10332, 10889..11041, 11419..11482, 11573..11689, 11850..11932		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o3.np	Method	AAT/NAP
Start	9794	End	12223
GI	2864625	Score	949
Exons	9794..9868, 9974..10168, 10249..10332, 10889..10948, 11000..11041, 11172..11318, 11419..11482, 11573..11689, 11850..11932, 12205..12223		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o6.gp	Method	AAT/GAP
Start	10876	End	11340
GI	uC-osflm202108h09b1	Score	531
Exons	10876..11041, 11172..11340		
GI Descrip.	'2827619/emb|CAA16571.1| 8.0e-43 (AL021636) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o4.ts	Method	TBLASTX:Soybean
Start	10910	End	11438
GI	none	Score	84
Exons	10910..10984, 10911..10982, 10987..11019, 11171..11320, 11172..11321, 11173..11319, 11412..11438		

Seq. No.	3214	Seq. ID	OJ990602_03.0107.C3
Gene No.	6848	Strand	-
Start	8513	End	12223
Name	OJ990602_03.0107.C3.o7.gp	Method	AAT/GAP
Start	10955	End	11470
GI	uC-osflm202108h09b1	Score	477
Exons	10955..11041, 11172..11318, 11419..11470		
GI Descrip.	'2827619/emb|CAA16571.1| 8.0e-43 (AL021636) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3215	Seq. ID	OJ990602_03.0107.C4
Gene No.	6849	Strand	+
Start	1	End	557
Name	OJ990602_03.0107.C4.o1.np	Method	AAT/NAP
Start	1	End	557
GI	6056193	Score	345

Exons	1..225, 319..557		
GI Descrip.	(AC009400) transcription initiation factor IIB (TFIIB) [Arabidopsis thaliana]		

Seq. No.	3215	Seq. ID	OJ990602_03.0107.C4
Gene No.	6849	Strand	+
Start	1	End	557
Name	OJ990602_03.0107.C4.o1.tc	Method	TBLASTX:Cress
Start	66	End	449
GI	none	Score	206
Exons	66..206, 93..224, 95..229, 312..449, 317..445		

Seq. No.	3215	Seq. ID	OJ990602_03.0107.C4
Gene No.	6849	Strand	+
Start	1	End	557
Name	OJ990602_03.0107.C4.o1.ts	Method	TBLASTX:Soybean
Start	66	End	449
GI	none	Score	206
Exons	66..221, 93..224, 94..225, 95..235, 312..449, 317..445, 318..446		

Seq. No.	3215	Seq. ID	OJ990602_03.0107.C4
Gene No.	6849	Strand	+
Start	1	End	557
Name	OJ990602_03.0107.C4.o1.tm	Method	TBLASTX:Maize
Start	75	End	455
GI	none	Score	221
Exons	75..224, 93..224, 94..225, 95..226, 95..229, 312..449, 316..444, 318..455		

Seq. No.	3215	Seq. ID	OJ990602_03.0107.C4
Gene No.	6849	Strand	+
Start	1	End	557
Name	OJ990602_03.0107.C4.o1.gp	Method	AAT/GAP
Start	93	End	449
GI	32881_1.R1084	Score	448
Exons	93..224, 317..449		
GI Descrip.	'1351222/sp|P48513|TF2B_SOYBN 2.0e-93 TRANSCRIPTION INITIATION FACTOR IIB (TFIIB) >gi_945087 (U31097) transcription factor TFIIB [Glycine max]'		

Seq. No.	3215	Seq. ID	OJ990602_03.0107.C4
Gene No.	6849	Strand	+
Start	1	End	557
Name	OJ990602_03.0107.C4.o1.gs	Method	GENSCAN
Start	96	End	449
GI	none	Score	1
Exons	96..225, 319..449		

Seq. No.	3216	Seq. ID	OJ990602_03.0107.C6
Gene No.	6850	Strand	-
Start	277	End	1251
Name	OJ990602_03.0107.C6.o1.np	Method	AAT/NAP
Start	277	End	1251
GI	2864625	Score	163
Exons	277..325, 1066..1251		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	3217	Seq. ID	OJ990602_03.0107.C7
Gene No.	6851	Strand	+
Start	1	End	750
Name	OJ990602_03.0107.C7.o1.np	Method	AAT/NAP
Start	1	End	750
GI	6651292	Score	101
Exons	1..90, 682..750		
GI Descrip.	(AF161711) myb-related transcription factor [Pimpinella brachycarpa]		

Seq. No.	3217	Seq. ID	OJ990602_03.0107.C7
Gene No.	6852	Strand	-
Start	33	End	99
Name	OJ990602_03.0107.C7.o1.gs	Method	GENSCAN
Start	33	End	99
GI	none	Score	.82
Exons	33..99		

Seq. No.	3218	Seq. ID	OJ990602_03.0107.C8
Gene No.	6853	Strand	-
Start	109	End	279
Name	OJ990602_03.0107.C8.o1.gs	Method	GENSCAN
Start	109	End	279
GI	none	Score	.81
Exons	109..279		

Seq. No.	3219	Seq. ID	OJ990602_03.0107.C9
Gene No.	6854	Strand	+
Start	1	End	466
Name	OJ990602_03.0107.C9.o1.gp	Method	AAT/GAP
Start	1	End	290
GI	56074_1.R1084	Score	538
Exons	1..290		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	3219	Seq. ID	OJ990602_03.0107.C9
Gene No.	6854	Strand	+
Start	1	End	466
Name	OJ990602_03.0107.C9.o1.gs	Method	GENSCAN
Start	51	End	466
GI	none	Score	.97
Exons	51..333, 423..466		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6855	Strand	+
Start	1357	End	4128
Name	OJ990602_03.0107.C14.o1.gs	Method	GENSCAN
Start	1357	End	4128
GI	none	Score	.55
Exons	1357..1705, 2717..2843, 3066..3204, 3478..4128		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o1.np	Method	AAT/NAP
Start	4954	End	7250

GI	4204095	Score	343
Exons	4954..5725, 7229..7250		
GI Descrip.	(AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o2.tc	Method	TBLASTX:Cress
Start	4956	End	5386
GI	none	Score	51
Exons	4956..5003, 5002..5106, 5099..5176, 5100..5177, 5192..5341, 5262..5342, 5318..5386		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o1.ts	Method	TBLASTX:Soybean
Start	4968	End	5674
GI	none	Score	36
Exons	4968..5000, 5002..5076, 5096..5164, 5105..5176, 5195..5344, 5253..5345, 5408..5587, 5618..5674		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o1.tw	Method	TBLASTX:Wheat
Start	4977	End	5345
GI	none	Score	36
Exons	4977..5039, 4977..5003, 5002..5079, 5027..5080, 5096..5176, 5099..5176, 5192..5344, 5262..5345		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o2.tm	Method	TBLASTX:Maize
Start	4997	End	5422
GI	none	Score	73
Exons	4997..5083, 5002..5082, 5096..5161, 5097..5162, 5204..5344, 5253..5336, 5357..5422		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o2.gp	Method	AAT/GAP
Start	6963	End	7384
GI	3762139	Score	630
Exons	6963..7205, 7280..7384		
GI Descrip.	4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o1.tm	Method	TBLASTX:Maize
Start	7064	End	7976
GI	none	Score	62
Exons	7064..7111, 7065..7115, 7144..7197, 7145..7207, 7145..7225,		

7146..7208, 7147..7221, 7267..7416, 7273..7356, 7280..7411, 7890..7976, 7890..7976

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o1.tc	Method	TBLASTX:Cress
Start	7140	End	7931
GI	none	Score	67
Exons	7140..7208, 7157..7225, 7280..7411, 7282..7416, 7890..7931		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o2.ts	Method	TBLASTX:Soybean
Start	7155	End	7976
GI	none	Score	65
Exons	7155..7208, 7157..7225, 7265..7408, 7280..7411, 7282..7416, 7890..7976, 7890..7976		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o2.np	Method	AAT/NAP
Start	7229	End	7986
GI	4803924	Score	249
Exons	7229..7373, 7889..7986		
GI Descrip.	(AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	3220	Seq. ID	OJ990602_03.0107.C14
Gene No.	6856	Strand	-
Start	4954	End	7986
Name	OJ990602_03.0107.C14.o3.gp	Method	AAT/GAP
Start	7883	End	7986
GI	LIB3434-017-P1-K1-H12	Score	138
Exons	7883..7986		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-42 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.gs	Method	GENSCAN
Start	106	End	2449
GI	none	Score	.95
Exons	106..140, 303..502, 2260..2449		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.np	Method	AAT/NAP
Start	255	End	2485
GI	4490331	Score	523
Exons	255..502, 2260..2485		
GI Descrip.	(AL035656) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o2.ts	Method	TBLASTX:Soybean
Start	298	End	459
GI	none	Score	119
Exons	298..459, 299..358, 300..458		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.gp	Method	AAT/GAP
Start	300	End	426
GI	LIB3434-017-P1-K1-H12	Score	209
Exons	300..426		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-42 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o2.tm	Method	TBLASTX:Maize
Start	300	End	463
GI	none	Score	131
Exons	300..461, 300..461, 301..462, 301..462, 419..463		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.tc	Method	TBLASTX:Cress
Start	312	End	2462
GI	none	Score	146
Exons	312..506, 319..510, 2258..2461, 2259..2462		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.tw	Method	TBLASTX:Wheat
Start	321	End	2447
GI	none	Score	157
Exons	321..503, 321..506, 322..510, 2258..2446, 2259..2447		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.ts	Method	TBLASTX:Soybean
Start	459	End	2462
GI	none	Score	174
Exons	459..506, 2258..2461, 2259..2462		

Seq. No.	3221	Seq. ID	OJ990602_03.0107.C15
Gene No.	6857	Strand	-
Start	106	End	2485
Name	OJ990602_03.0107.C15.o1.tm	Method	TBLASTX:Maize
Start	463	End	2461
GI	none	Score	63
Exons	463..510, 465..506, 2258..2461, 2259..2459		

Seq. No.	3222	Seq. ID	OJ990602_03.0107.C16
Gene No.	6858	Strand	+
Start	1746	End	4327
Name	OJ990602_03.0107.C16.o1.np	Method	AAT/NAP
Start	1746	End	4327
GI	3128223	Score	527
Exons	1746..2076, 2290..2786, 3844..4327		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	3222	Seq. ID	OJ990602_03.0107.C16
Gene No.	6858	Strand	+
Start	1746	End	4327
Name	OJ990602_03.0107.C16.o2.tc	Method	TBLASTX:Cress
Start	2505	End	3921
GI	none	Score	146
Exons	2505..2693, 2513..2584, 2636..2689, 2718..2789, 3844..3921		

Seq. No.	3222	Seq. ID	OJ990602_03.0107.C16
Gene No.	6858	Strand	+
Start	1746	End	4327
Name	OJ990602_03.0107.C16.o1.tm	Method	TBLASTX:Maize
Start	3829	End	4017
GI	none	Score	120
Exons	3829..3996, 3842..3994, 3843..4016, 3844..4017		

Seq. No.	3222	Seq. ID	OJ990602_03.0107.C16
Gene No.	6858	Strand	+
Start	1746	End	4327
Name	OJ990602_03.0107.C16.o1.tc	Method	TBLASTX:Cress
Start	3972	End	4287
GI	none	Score	285
Exons	3972..4097, 3991..4287, 4162..4245		

Seq. No.	3223	Seq. ID	OJ990602_03.0107.C17
Gene No.	6859	Strand	-
Start	164	End	262
Name	OJ990602_03.0107.C17.o1.gs	Method	GENSCAN
Start	164	End	262
GI	none	Score	.91
Exons	164..262		

Seq. No.	3224	Seq. ID	OJ990602_03.0107.C18
Gene No.	6860	Strand	+
Start	399	End	2535
Name	OJ990602_03.0107.C18.o1.gs	Method	GENSCAN
Start	399	End	2535
GI	none	Score	.79
Exons	399..550, 1686..1861, 2311..2410, 2439..2535		

Seq. No.	3224	Seq. ID	OJ990602_03.0107.C18
Gene No.	6861	Strand	-
Start	3055	End	5013
Name	OJ990602_03.0107.C18.o2.gs	Method	GENSCAN
Start	3055	End	5013
GI	none	Score	.79
Exons	3055..3153, 4764..4849, 4959..5013		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6862	Strand	+
Start	669	End	1128
Name	OJ990602_03.0107.C20.o1.gp	Method	AAT/GAP
Start	669	End	1128
GI	none	Score	841
Exons	669..1128		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o1.np	Method	AAT/NAP
Start	1034	End	4843
GI	6651292	Score	671
Exons	1034..1175, 1215..1651, 4581..4843		
GI Descrip.	(AF161711) myb-related transcription factor [Pimpinella brachycarpa]		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o2.tm	Method	TBLASTX:Maize
Start	1054	End	1479
GI	none	Score	41
Exons	1054..1083, 1072..1155, 1080..1112, 1100..1156, 1105..1158, 1198..1287, 1199..1243, 1204..1272, 1258..1401, 1266..1400, 1276..1401, 1405..1479, 1409..1477		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o1.gs	Method	GENSCAN
Start	1057	End	6589
GI	none	Score	.71
Exons	1057..1651, 2334..2524, 4581..4928, 5930..6121, 6251..6589		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o1.ts	Method	TBLASTX:Soybean
Start	1495	End	4844
GI	none	Score	165
Exons	1495..1653, 1529..1654, 4562..4843, 4578..4634, 4686..4844		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o2.gp	Method	AAT/GAP
Start	1515	End	5018
GI	201_3.R1084	Score	1106
Exons	1515..1651, 4581..5018		
GI Descrip.	'1430846/emb|CAA67600| 1.0e-32 (X99210) myb-related transcription factor [Lycopersicon esculentum]'		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-

Start	1057	End	6589
Name	OJ990602_03.0107.C20.o2.tc	Method	TBLASTX:Cress
Start	1531	End	1654
GI	none	Score	139
Exons	1531..1653, 1532..1654		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o1.tm	Method	TBLASTX:Maize
Start	1532	End	4817
GI	none	Score	177
Exons	1532..1654, 1532..1651, 1534..1653, 4562..4813, 4578..4628, 4686..4817		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o1.tc	Method	TBLASTX:Cress
Start	4578	End	4850
GI	none	Score	66
Exons	4578..4628, 4580..4843, 4686..4850		

Seq. No.	3225	Seq. ID	OJ990602_03.0107.C20
Gene No.	6863	Strand	-
Start	1057	End	6589
Name	OJ990602_03.0107.C20.o1.tw	Method	TBLASTX:Wheat
Start	4580	End	4847
GI	none	Score	38
Exons	4580..4843, 4581..4634, 4686..4847		

Seq. No.	3226	Seq. ID	OJ990602_03.0107.C21
Gene No.	6864	Strand	-
Start	460	End	547
Name	OJ990602_03.0107.C21.o1.gs	Method	GENSCAN
Start	460	End	547
GI	none	Score	.53
Exons	460..547		

Seq. No.	3227	Seq. ID	OJ990602_03.0107.C22
Gene No.	6865	Strand	+
Start	54	End	489
Name	OJ990602_03.0107.C22.o1.gs	Method	GENSCAN
Start	54	End	489
GI	none	Score	.68
Exons	54..239, 373..489		

Seq. No.	3228	Seq. ID	OJ990602_03.0107.C23
Gene No.	6866	Strand	-
Start	1	End	267
Name	OJ990602_03.0107.C23.o1.np	Method	AAT/NAP
Start	1	End	267
GI	2864625	Score	221
Exons	1..267		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	3228	Seq. ID	OJ990602_03.0107.C23

Gene No.	6866	Strand	-
Start	1	End	267
Name	OJ990602_03.0107.C23.o1.gs	Method	GENSCAN
Start	50	End	265
GI	none	Score	.85
Exons	50..265		

Seq. No.	3229	Seq. ID	OJ990602_03.0107.C24
Gene No.	6867	Strand	+
Start	20	End	235
Name	OJ990602_03.0107.C24.o1.gs	Method	GENSCAN
Start	20	End	235
GI	none	Score	.92
Exons	20..235		

Seq. No.	3229	Seq. ID	OJ990602_03.0107.C24
Gene No.	6868	Strand	-
Start	1	End	1026
Name	OJ990602_03.0107.C24.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	2864625	Score	489
Exons	1..73, 161..255, 345..464, 632..1026		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	3229	Seq. ID	OJ990602_03.0107.C24
Gene No.	6868	Strand	-
Start	1	End	1026
Name	OJ990602_03.0107.C24.o1.tm	Method	TBLASTX:Maize
Start	13	End	467
GI	none	Score	81
Exons	13..75, 14..76, 15..125, 157..261, 161..256, 166..258, 332..463, 342..467, 343..462, 345..467		

Seq. No.	3229	Seq. ID	OJ990602_03.0107.C24
Gene No.	6868	Strand	-
Start	1	End	1026
Name	OJ990602_03.0107.C24.o1.ts	Method	TBLASTX:Soybean
Start	22	End	433
GI	none	Score	119
Exons	22..75, 157..261, 161..256, 190..258, 342..428, 343..426, 353..433		

Seq. No.	3229	Seq. ID	OJ990602_03.0107.C24
Gene No.	6868	Strand	-
Start	1	End	1026
Name	OJ990602_03.0107.C24.o2.tm	Method	TBLASTX:Maize
Start	627	End	751
GI	none	Score	181
Exons	627..749, 632..751, 636..749		

Seq. No.	3229	Seq. ID	OJ990602_03.0107.C24
Gene No.	6868	Strand	-
Start	1	End	1026
Name	OJ990602_03.0107.C24.o2.ts	Method	TBLASTX:Soybean
Start	629	End	751
GI	none	Score	151
Exons	629..751, 630..749, 631..750		

Seq. No.	3230	Seq. ID	OJ990602_03.0107.C25
Gene No.	6869	Strand	-
Start	403	End	472
Name	OJ990602_03.0107.C25.o1.gs	Method	GENSCAN
Start	403	End	472
GI	none	Score	.97
Exons	403..472		

Seq. No.	3230	Seq. ID	OJ990602_03.0107.C25
Gene No.	6870	Strand	-
Start	403	End	492
Name	OJ990602_03.0107.C25.o1.gp	Method	AAT/GAP
Start	403	End	492
GI	3625_1.R1084	Score	144
Exons	403..492		
GI Descrip.	'1174745/sp|P46225|TPIC_SECCE 1.0e-124 TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) >gi_1363523_pir__S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye >gi_609262_emb_CAA83533_ (Z32521) triosephosphate isomerase [Secale cereale] >gi_1095494_prf__2109226B triosephosphate isomerase [Secale cereale]'		

Seq. No.	3231	Seq. ID	OJ990602_03.0107.C27
Gene No.	6871	Strand	-
Start	697	End	7484
Name	OJ990602_03.0107.C27.o1.np	Method	AAT/NAP
Start	697	End	7484
GI	5032119	Score	110
Exons	697..1352, 1769..1837, 2000..2103, 3266..3354, 4234..4378, 4691..4832, 6616..6748, 7358..7484		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	3232	Seq. ID	OJ990602_03.0107.C30
Gene No.	6872	Strand	+
Start	59	End	471
Name	OJ990602_03.0107.C30.o1.gs	Method	GENSCAN
Start	59	End	471
GI	none	Score	.86
Exons	59..471		

Seq. No.	3233	Seq. ID	OJ990602_03.0107.C32
Gene No.	6873	Strand	-
Start	98	End	218
Name	OJ990602_03.0107.C32.o1.gs	Method	GENSCAN
Start	98	End	218
GI	none	Score	.74
Exons	98..116, 190..218		

Seq. No.	3234	Seq. ID	OJ990602_03.0107.C34
Gene No.	6874	Strand	-
Start	137	End	247
Name	OJ990602_03.0107.C34.o1.gs	Method	GENSCAN
Start	137	End	247
GI	none	Score	.46

Exons	137..247		
Seq. No.	3235	Seq. ID	OJ990602_03.0107.C35
Gene No.	6875	Strand	+
Start	81	End	338
Name	OJ990602_03.0107.C35.o1.gs	Method	GENSCAN
Start	81	End	338
GI	none	Score	.7
Exons	81..147, 272..338		
Seq. No.	3236	Seq. ID	OJ990602_03.0107.C37
Gene No.	6876	Strand	-
Start	264	End	312
Name	OJ990602_03.0107.C37.o1.gs	Method	GENSCAN
Start	264	End	312
GI	none	Score	.81
Exons	264..312		
Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6877	Strand	+
Start	1	End	9509
Name	OJ990602_03.0107.C38.o1.np	Method	AAT/NAP
Start	1	End	2020
GI	417154	Score	833
Exons	1..733, 1971..2020		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		
Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6877	Strand	+
Start	1	End	9509
Name	OJ990602_03.0107.C38.o2.np	Method	AAT/NAP
Start	1	End	1738
GI	6729524	Score	148
Exons	1..99, 982..1081, 1310..1431, 1570..1738		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		
Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6877	Strand	+
Start	1	End	9509
Name	OJ990602_03.0107.C38.o1.gs	Method	GENSCAN
Start	60	End	9509
GI	none	Score	.63
Exons	60..302, 405..859, 947..1068, 1197..1237, 1570..1673, 2609..3011, 3186..3318, 5478..5601, 5682..5785, 5830..5941, 6363..6435, 7497..7638, 9402..9509		
Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6878	Strand	-
Start	2067	End	2317
Name	OJ990602_03.0107.C38.o1.gp	Method	AAT/GAP
Start	2067	End	2317
GI	3762139	Score	364
Exons	2067..2317		
GI Descrip.	4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6879	Strand	-
Start	4898	End	5547
Name	OJ990602_03.0107.C38.o3.np	Method	AAT/NAP
Start	4898	End	5547
GI	6721559	Score	334
Exons	4898..5040, 5075..5547		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o1.tc	Method	TBLASTX:Cress
Start	55	End	726
GI	none	Score	586
Exons	55..447, 61..93, 90..443, 154..453, 435..560, 439..543, 520..570, 550..726, 550..726		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o1.tm	Method	TBLASTX:Maize
Start	55	End	726
GI	none	Score	594
Exons	55..447, 57..185, 231..446, 410..592, 439..543, 520..570, 550..726, 550..726		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o1.ts	Method	TBLASTX:Soybean
Start	55	End	726
GI	none	Score	381
Exons	55..309, 57..305, 310..447, 312..443, 435..560, 439..543, 520..570, 577..714, 583..726, 627..725		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o1.tw	Method	TBLASTX:Wheat
Start	67	End	726
GI	none	Score	574
Exons	67..447, 90..446, 154..453, 401..592, 439..543, 520..570, 550..726, 550..726		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o4.np	Method	AAT/NAP
Start	6795	End	13146
GI	4680183	Score	193
Exons	6795..6884, 7492..7562, 13126..13146		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o2.gs	Method	GENSCAN
Start	10405	End	11063
GI	none	Score	.92
Exons	10405..10912, 10999..11063		

Seq. No.	3237	Seq. ID	OJ990602_03.0107.C38
Gene No.	6880	Strand	-
Start	6795	End	13146
Name	OJ990602_03.0107.C38.o3.gs	Method	GENSCAN
Start	12016	End	12446
GI	none	Score	.52
Exons	12016..12131, 12389..12446		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6881	Strand	+
Start	1	End	2422
Name	OJ990602_03.0107.C39.o1.np	Method	AAT/NAP
Start	1	End	2224
GI	1351222	Score	707
Exons	1..56, 665..710, 1033..1162, 1256..1386, 1469..1557, 1942..2018, 2094..2224		
GI Descrip.	TRANSCRIPTION INITIATION FACTOR IIB (TFIIB) gi|945087 (U31097) transcription factor TFIIB [Glycine max]		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6881	Strand	+
Start	1	End	2422
Name	OJ990602_03.0107.C39.o1.gp	Method	AAT/GAP
Start	683	End	2422
GI	32881_1.R1084	Score	1407
Exons	683..710, 1033..1161, 1254..1386, 1469..1557, 1942..2018, 2094..2422		
GI Descrip.	'1351222/sp|P48513|TF2B_SOYBN 2.0e-93 TRANSCRIPTION INITIATION FACTOR IIB (TFIIB) >gi_945087 (U31097) transcription factor TFIIB [Glycine max]'		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6881	Strand	+
Start	1	End	2422
Name	OJ990602_03.0107.C39.o1.gs	Method	GENSCAN
Start	686	End	2227
GI	none	Score	.99
Exons	686..710, 1033..1162, 1256..1386, 1469..1557, 1942..2018, 2094..2227		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6882	Strand	+
Start	2838	End	3128
Name	OJ990602_03.0107.C39.o2.gs	Method	GENSCAN
Start	2838	End	3128
GI	none	Score	.98
Exons	2838..2961, 3070..3128		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39

Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o1.ts	Method	TBLASTX:Soybean
Start	1003	End	2227
GI	none	Score	84
Exons	1003..1158, 1029..1160, 1030..1161, 1031..1162, 1032..1172, 1249..1386, 1254..1382, 1255..1383, 1448..1558, 1460..1558, 1940..2023, 1954..2013, 2078..2227, 2092..2223		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o1.tm	Method	TBLASTX:Maize
Start	1012	End	2289
GI	none	Score	221
Exons	1012..1161, 1030..1161, 1032..1163, 1032..1166, 1249..1386, 1253..1381, 1254..1385, 1255..1392, 1451..1558, 1469..1558, 1940..2023, 1941..2009, 1954..2010, 2072..2287, 2078..2242, 2088..2288, 2092..2289, 2092..2289		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o1.tc	Method	TBLASTX:Cress
Start	1029	End	2283
GI	none	Score	89
Exons	1029..1139, 1030..1161, 1032..1166, 1249..1386, 1254..1382, 1445..1558, 1460..1558, 1940..2023, 1954..2013, 2078..2227, 2092..2283		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o2.gp	Method	AAT/GAP
Start	3460	End	4424
GI	3625_1.R1084	Score	868
Exons	3460..3500, 3537..3912, 4034..4118, 4405..4424		
GI Descrip.	'1174745/sp|P46225|TPIC_SECCE 1.0e-124 TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) >gi_1363523_pir__S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye >gi_609262_emb_CAA83533_ (Z32521) triosephosphate isomerase [Secale cereale] >gi_1095494_prf__2109226B triosephosphate isomerase [Secale cereale]'		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o2.tm	Method	TBLASTX:Maize
Start	3823	End	4125
GI	none	Score	96
Exons	3823..3924, 3827..3913, 3828..3926, 3855..3926, 3856..3939, 4014..4121, 4033..4125		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o3.gs	Method	GENSCAN

Start	3856	End	4116
GI	none	Score	.89
Exons	3856..3912, 4034..4116		

Seq. No.	3238	Seq. ID	OJ990602_03.0107.C39
Gene No.	6883	Strand	-
Start	3460	End	4424
Name	OJ990602_03.0107.C39.o2.np	Method	AAT/NAP
Start	3859	End	4424
GI	1174745	Score	148
Exons	3859..3912, 4034..4116, 4401..4424		
GI Descrip.	TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) gi|1363523|pir||S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye gi|609262|emb|CAA83533| (Z32521) triosephosphate isomerase [Secale cereale] gi|1095494|prf||2109226B triosephosphate isomerase [Secale cereale]		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6884	Strand	+
Start	3051	End	3140
Name	OJ990602_03.0107.C40.o2.gp	Method	AAT/GAP
Start	3051	End	3140
GI	none	Score	141
Exons	3051..3140		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o1.gp	Method	AAT/GAP
Start	58	End	2027
GI	3625_1.R1084	Score	1502
Exons	58..188, 310..392, 752..925, 1018..1150, 1317..1401, 1618..1741, 1926..2027		
GI Descrip.	'1174745/sp|P46225|TPIC_SECCE 1.0e-124 TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) >gi_1363523_pir__S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye >gi_609262_emb_CAA83533_ (Z32521) triosephosphate isomerase [Secale cereale] >gi_1095494_prf__2109226B triosephosphate isomerase [Secale cereale]'		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o1.tm	Method	TBLASTX:Maize
Start	78	End	2932
GI	none	Score	90
Exons	78..215, 102..200, 131..202, 309..401, 310..393, 749..931, 750..932, 750..929, 978..1151, 1004..1153, 1015..1152, 1019..1153, 1297..1404, 1317..1403, 1618..1743, 1620..1742, 1916..1993, 1927..1995, 2710..2763, 2717..2770, 2879..2932, 2880..2927		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o1.tc	Method	TBLASTX:Cress

Start	127	End	1406
GI	none	Score	73
Exons	127..195, 132..200, 132..215, 301..393, 309..398, 310..393, 750..935, 750..929, 1019..1153, 1020..1151, 1022..1153, 1297..1404, 1317..1406, 1317..1406		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o1.gs	Method	GENSCAN
Start	132	End	3040
GI	none	Score	.99
Exons	132..188, 310..392, 752..925, 1018..1150, 1317..1401, 1618..1741, 1926..1995, 2734..2760, 2879..3040		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o1.ts	Method	TBLASTX:Soybean
Start	132	End	2926
GI	none	Score	68
Exons	132..215, 136..189, 309..401, 310..393, 750..929, 753..932, 1015..1089, 1017..1097, 1019..1153, 1020..1151, 1297..1404, 1317..1403, 1618..1743, 1620..1742, 1927..1995, 2619..2651, 2716..2763, 2717..2761, 2879..2926, 2880..2906		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o1.np	Method	AAT/NAP
Start	135	End	3040
GI	1174745	Score	1050
Exons	135..188, 310..392, 752..925, 1018..1150, 1317..1401, 1618..1741, 1926..1995, 2734..2760, 2879..3040		
GI Descrip.	TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) gi|1363523|pir||S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye gi|609262|emb|CAA83533| (Z32521) triosephosphate isomerase [Secale cereale] gi|1095494|prf||2109226B triosephosphate isomerase [Secale cereale]		

Seq. No.	3239	Seq. ID	OJ990602_03.0107.C40
Gene No.	6885	Strand	-
Start	58	End	3040
Name	OJ990602_03.0107.C40.o2.tc	Method	TBLASTX:Cress
Start	1618	End	2927
GI	none	Score	135
Exons	1618..1743, 1620..1742, 1927..1995, 2619..2651, 2716..2763, 2717..2770, 2879..2905, 2883..2927		

Seq. No.	3240	Seq. ID	OJ990602_03.0107.C41
Gene No.	6886	Strand	+
Start	1703	End	2311
Name	OJ990602_03.0107.C41.o1.gp	Method	AAT/GAP
Start	1703	End	2311
GI	56074_1.R1084	Score	942
Exons	1703..1936, 2035..2311		

GI Descrip. '4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'

Seq. No.	3240	Seq. ID	OJ990602_03.0107.C41
Gene No.	6886	Strand	+
Start	1703	End	2311
Name	OJ990602_03.0107.C41.o1.gs	Method	GENSCAN
Start	1709	End	2298
GI	none	Score	.86
Exons	1709..1936, 2035..2298		

Seq. No.	3241	Seq. ID	OJ990602_03.0107.C42
Gene No.	6887	Strand	+
Start	44	End	775
Name	OJ990602_03.0107.C42.o1.gs	Method	GENSCAN
Start	44	End	674
GI	none	Score	.54
Exons	44..674		

Seq. No.	3241	Seq. ID	OJ990602_03.0107.C42
Gene No.	6887	Strand	+
Start	44	End	775
Name	OJ990602_03.0107.C42.o1.tw	Method	TBLASTX:Wheat
Start	125	End	460
GI	none	Score	100
Exons	125..265, 254..460		

Seq. No.	3241	Seq. ID	OJ990602_03.0107.C42
Gene No.	6887	Strand	+
Start	44	End	775
Name	OJ990602_03.0107.C42.o1.tm	Method	TBLASTX:Maize
Start	215	End	631
GI	none	Score	389
Exons	215..631, 226..630		

Seq. No.	3241	Seq. ID	OJ990602_03.0107.C42
Gene No.	6887	Strand	+
Start	44	End	775
Name	OJ990602_03.0107.C42.o1.np	Method	AAT/NAP
Start	226	End	775
GI	6069646	Score	399
Exons	226..775		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o1.np	Method	AAT/NAP
Start	1	End	1742
GI	6069646	Score	811
Exons	1..474, 756..1742		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o1.tm	Method	TBLASTX:Maize
Start	7	End	675
GI	none	Score	466
Exons	7..675, 39..212, 252..401, 438..467		

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o1.gs	Method	GENSCAN
Start	155	End	4601
GI	none	Score	.47
Exons	155..530, 797..911, 2098..2394, 2465..2487, 2876..2975, 3037..3271, 3842..4017, 4327..4452, 4551..4601		

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o1.tw	Method	TBLASTX:Wheat
Start	336	End	773
GI	none	Score	228
Exons	336..626, 340..630, 681..773, 716..769		

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o3.tm	Method	TBLASTX:Maize
Start	680	End	980
GI	none	Score	204
Exons	680..850, 681..980		

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o2.tw	Method	TBLASTX:Wheat
Start	936	End	1316
GI	none	Score	89
Exons	936..1073, 1155..1316		

Seq. No.	3242	Seq. ID	OJ990602_03.0107.C43
Gene No.	6888	Strand	+
Start	1	End	4601
Name	OJ990602_03.0107.C43.o2.tm	Method	TBLASTX:Maize
Start	1161	End	1724
GI	none	Score	246
Exons	1161..1469, 1268..1351, 1509..1724		

Seq. No.	3243	Seq. ID	OJ990602_03.0107.C44
Gene No.	6889	Strand	+
Start	1	End	838
Name	OJ990602_03.0107.C44.o1.np	Method	AAT/NAP

Start	1	End	838
GI	2864625	Score	381
Exons	1..279, 369..463, 551..646, 801..838		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	3243	Seq. ID	OJ990602_03.0107.C44
Gene No.	6890	Strand	-
Start	389	End	647
Name	OJ990602_03.0107.C44.o1.tm	Method	TBLASTX:Maize
Start	157	End	647
GI	none	Score	195
Exons	157..282, 157..279, 161..292, 162..281, 363..467, 366..458, 368..463, 549..647, 550..642		

Seq. No.	3243	Seq. ID	OJ990602_03.0107.C44
Gene No.	6890	Strand	-
Start	389	End	647
Name	OJ990602_03.0107.C44.o1.ts	Method	TBLASTX:Soybean
Start	189	End	602
GI	none	Score	74
Exons	189..281, 191..271, 196..282, 198..281, 363..467, 366..434, 368..463, 549..602		

Seq. No.	3243	Seq. ID	OJ990602_03.0107.C44
Gene No.	6890	Strand	-
Start	389	End	647
Name	OJ990602_03.0107.C44.o1.gs	Method	GENSCAN
Start	389	End	604
GI	none	Score	.83
Exons	389..604		

Seq. No.	3244	Seq. ID	OJ990602_03.0107.C45
Gene No.	6891	Strand	-
Start	1	End	1586
Name	OJ990602_03.0107.C45.o1.np	Method	AAT/NAP
Start	1	End	1586
GI	2864625	Score	382
Exons	1..23, 185..415, 939..1094, 1487..1586		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	3244	Seq. ID	OJ990602_03.0107.C45
Gene No.	6891	Strand	-
Start	1	End	1586
Name	OJ990602_03.0107.C45.o1.gs	Method	GENSCAN
Start	356	End	1212
GI	none	Score	.57
Exons	356..415, 939..1212		

Seq. No.	3244	Seq. ID	OJ990602_03.0107.C45
Gene No.	6891	Strand	-
Start	1	End	1586
Name	OJ990602_03.0107.C45.o1.ts	Method	TBLASTX:Soybean
Start	928	End	1068
GI	none	Score	126
Exons	928..1068, 938..1066		

Seq. No.	3245	Seq. ID	OJ990602_03.0107.C46

Gene No.	6892	Strand	+
Start	2251	End	3019
Name	OJ990602_03.0107.C46.o1.gs	Method	GENSCAN
Start	2251	End	3019
GI	none	Score	.9
Exons	2251..2484, 2560..2627, 2814..2923, 2964..3019		

Seq. No.	3246	Seq. ID	OJ990602_03.0107.C48
Gene No.	6893	Strand	-
Start	1	End	666
Name	OJ990602_03.0107.C48.o1.np	Method	AAT/NAP
Start	1	End	666
GI	3914005	Score	440
Exons	1..22, 164..299, 502..666		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR gi|1816586 (U85494) LON1 protease [Zea mays]		

Seq. No.	3246	Seq. ID	OJ990602_03.0107.C48
Gene No.	6893	Strand	-
Start	1	End	666
Name	OJ990602_03.0107.C48.o1.tm	Method	TBLASTX:Maize
Start	125	End	666
GI	none	Score	203
Exons	125..301, 165..314, 169..300, 491..664, 501..608, 502..666		

Seq. No.	3246	Seq. ID	OJ990602_03.0107.C48
Gene No.	6893	Strand	-
Start	1	End	666
Name	OJ990602_03.0107.C48.o1.gs	Method	GENSCAN
Start	144	End	305
GI	none	Score	.69
Exons	144..305		

Seq. No.	3246	Seq. ID	OJ990602_03.0107.C48
Gene No.	6893	Strand	-
Start	1	End	666
Name	OJ990602_03.0107.C48.o1.ts	Method	TBLASTX:Soybean
Start	165	End	666
GI	none	Score	156
Exons	165..314, 169..300, 502..666, 503..664		

Seq. No.	3246	Seq. ID	OJ990602_03.0107.C48
Gene No.	6893	Strand	-
Start	1	End	666
Name	OJ990602_03.0107.C48.o1.tc	Method	TBLASTX:Cress
Start	502	End	666
GI	none	Score	185
Exons	502..666, 503..664, 504..665		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6894	Strand	+
Start	12742	End	13120
Name	OJ990602_03.0107.C49.o3.gp	Method	AAT/GAP
Start	12742	End	13120
GI	none	Score	754
Exons	12742..13120		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6895	Strand	-
Start	1	End	3742
Name	OJ990602_03.0107.C49.o1.gp	Method	AAT/GAP
Start	1	End	1613
GI	43507_1.R1084	Score	1407
Exons	1..146, 231..358, 623..706, 819..998, 1145..1236, 1483..1613		
GI Descrip.	'3914005/sp|P93647|LON1_MAIZE 1.0e-143 MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR >gi_1816586 (U85494) LON1 protease [Zea mays]'		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6895	Strand	-
Start	1	End	3742
Name	OJ990602_03.0107.C49.o1.np	Method	AAT/NAP
Start	1	End	3234
GI	3914005	Score	1468
Exons	1..146, 231..358, 623..706, 819..998, 1145..1236, 1483..1652, 2089..2200, 2314..2417, 3125..3234		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR gi|1816586 (U85494) LON1 protease [Zea mays]		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6895	Strand	-
Start	1	End	3742
Name	OJ990602_03.0107.C49.o1.gs	Method	GENSCAN
Start	55	End	3742
GI	none	Score	.75
Exons	55..146, 231..358, 819..998, 1145..1190, 2089..2200, 2314..2417, 3125..3262, 3387..3742		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6895	Strand	-
Start	1	End	3742
Name	OJ990602_03.0107.C49.o2.gp	Method	AAT/GAP
Start	2056	End	3349
GI	24767_1.R1084	Score	836
Exons	2056..2200, 2314..2417, 3125..3349		
GI Descrip.	'3914005/sp|P93647|LON1_MAIZE 7.0e-52 MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR >gi_1816586 (U85494) LON1 protease [Zea mays]'		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o3.tm	Method	TBLASTX:Maize
Start	1	End	154
GI	none	Score	174
Exons	1..147, 2..154, 2..148, 6..152		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o3.ts	Method	TBLASTX:Soybean
Start	2	End	137
GI	none	Score	78
Exons	2..133, 2..136, 60..137		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o2.tm	Method	TBLASTX:Maize
Start	246	End	1577
GI	none	Score	94
Exons	246..308, 247..345, 248..361, 248..361, 620..709, 624..710, 819..986, 819..1001, 820..1005, 821..1063, 1136..1237, 1139..1234, 1484..1570, 1485..1577, 1486..1575		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o2.ts	Method	TBLASTX:Soybean
Start	638	End	3326
GI	none	Score	69
Exons	638..709, 666..710, 805..999, 819..872, 873..998, 1127..1234, 1136..1237, 1484..1654, 1485..1655, 2082..2156, 2151..2204, 2345..2419, 3125..3241, 3127..3222, 3237..3326		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o2.gs	Method	GENSCAN
Start	7277	End	13402
GI	none	Score	.8
Exons	7277..7383, 8428..8556, 9258..9325, 10180..10351, 10380..10566, 11519..11661, 12377..12426, 12924..13402		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o2.np	Method	AAT/NAP
Start	12828	End	13366
GI	3461836	Score	342
Exons	12828..13366		
GI Descrip.	(AC005315) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o1.tc	Method	TBLASTX:Cress
Start	13016	End	13366
GI	none	Score	168
Exons	13016..13366, 13041..13361		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o1.ts	Method	TBLASTX:Soybean
Start	13019	End	13366
GI	none	Score	222
Exons	13019..13366, 13035..13361		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-

Start	7277	End	13402
Name	OJ990602_03.0107.C49.o1.tm	Method	TBLASTX:Maize
Start	13031	End	13369
GI	none	Score	183
Exons	13031..13369, 13038..13361		

Seq. No.	3247	Seq. ID	OJ990602_03.0107.C49
Gene No.	6896	Strand	-
Start	7277	End	13402
Name	OJ990602_03.0107.C49.o1.tw	Method	TBLASTX:Wheat
Start	13034	End	13366
GI	none	Score	61
Exons	13034..13366, 13035..13163, 13215..13361		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6897	Strand	+
Start	901	End	5100
Name	OJ990602_03.0107.C50.o2.np	Method	AAT/NAP
Start	901	End	4471
GI	5852172	Score	99
Exons	901..937, 4308..4471		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6897	Strand	+
Start	901	End	5100
Name	OJ990602_03.0107.C50.o2.gs	Method	GENSCAN
Start	3460	End	5100
GI	none	Score	.92
Exons	3460..4152, 4310..4465, 5071..5100		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6898	Strand	+
Start	6433	End	7509
Name	OJ990602_03.0107.C50.o3.gs	Method	GENSCAN
Start	6433	End	7509
GI	none	Score	.65
Exons	6433..6475, 7180..7368, 7382..7509		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6899	Strand	-
Start	1	End	4086
Name	OJ990602_03.0107.C50.o1.np	Method	AAT/NAP
Start	1	End	3921
GI	2245124	Score	495
Exons	1..25, 635..757, 1452..1703, 3568..3921		
GI Descrip.	(Z97343) NAK like protein kinase [Arabidopsis thaliana]		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6899	Strand	-
Start	1	End	4086
Name	OJ990602_03.0107.C50.o1.gs	Method	GENSCAN
Start	291	End	1895
GI	none	Score	.86
Exons	291..500, 505..606, 635..757, 1446..1703, 1857..1895		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50

Gene No.	6899	Strand	-
Start	1	End	4086
Name	OJ990602_03.0107.C50.o1.gp	Method	AAT/GAP
Start	3622	End	4086
GI	none	Score	902
Exons	3622..4086		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o1.tm	Method	TBLASTX:Maize
Start	632	End	1710
GI	none	Score	117
Exons	632..757, 639..758, 1434..1595, 1459..1596, 1605..1706, 1615..1710		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o1.ts	Method	TBLASTX:Soybean
Start	632	End	3747
GI	none	Score	125
Exons	632..757, 633..758, 1455..1706, 1456..1710, 1457..1711, 3625..3747		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o2.tc	Method	TBLASTX:Cress
Start	632	End	3750
GI	none	Score	116
Exons	632..757, 633..758, 1434..1604, 1459..1605, 1618..1704, 1623..1706, 1623..1706, 3646..3750		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o1.tw	Method	TBLASTX:Wheat
Start	1434	End	3687
GI	none	Score	52
Exons	1434..1595, 1459..1518, 1500..1589, 1605..1661, 1662..1706, 1666..1707, 3601..3687		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o3.tm	Method	TBLASTX:Maize
Start	3574	End	3889
GI	none	Score	36
Exons	3574..3615, 3625..3837, 3779..3799, 3797..3850, 3806..3889		

Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o4.gs	Method	GENSCAN
Start	8320	End	11765
GI	none	Score	.75

Exons	8320..8406, 10350..10577, 11320..11440, 11536..11634, 11734..11765		
Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o2.tm	Method	TBLASTX:Maize
Start	10416	End	11640
GI	none	Score	60
Exons	10416..10580, 11305..11421, 11312..11440, 11323..11442, 11532..11633, 11535..11633, 11536..11640		
Seq. No.	3248	Seq. ID	OJ990602_03.0107.C50
Gene No.	6900	Strand	-
Start	8320	End	11765
Name	OJ990602_03.0107.C50.o1.tc	Method	TBLASTX:Cress
Start	11296	End	11669
GI	none	Score	69
Exons	11296..11421, 11312..11440, 11535..11669, 11536..11631		
Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-
Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.gp	Method	AAT/GAP
Start	770	End	1990
GI	23188_1.R1084	Score	1804
Exons	770..1534, 1824..1990		
GI Descrip.	'3170525/gb|AAC78298.1| 4.0e-34 (AF054615) cellulase [Fragaria x ananassa]'		
Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-
Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.tm	Method	TBLASTX:Maize
Start	1198	End	1992
GI	none	Score	121
Exons	1198..1344, 1205..1543, 1287..1535, 1813..1992, 1815..1991		
Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-
Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.ts	Method	TBLASTX:Soybean
Start	1202	End	1989
GI	none	Score	95
Exons	1202..1408, 1290..1409, 1409..1537, 1410..1538, 1412..1552, 1813..1926, 1815..1988, 1828..1989		
Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-
Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.gs	Method	GENSCAN
Start	1205	End	1990
GI	none	Score	.75
Exons	1205..1534, 1824..1990		
Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-

Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.tc	Method	TBLASTX:Cress
Start	1211	End	1995
GI	none	Score	61
Exons	1211..1408, 1222..1341, 1317..1409, 1409..1537, 1410..1610, 1645..1695, 1815..1982, 1815..1991, 1828..1995		

Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-
Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.np	Method	AAT/NAP
Start	1226	End	1993
GI	4454025	Score	261
Exons	1226..1534, 1824..1993		
GI Descrip.	(AL035394) putative cellulase [Arabidopsis thaliana]		

Seq. No.	3249	Seq. ID	OJ990602_03.0107.C51
Gene No.	6901	Strand	-
Start	1205	End	1995
Name	OJ990602_03.0107.C51.o1.tw	Method	TBLASTX:Wheat
Start	1289	End	1961
GI	none	Score	112
Exons	1289..1408, 1433..1537, 1434..1535, 1815..1961		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o1.np	Method	AAT/NAP
Start	1	End	2526
GI	3341676	Score	582
Exons	1..48, 126..566, 1361..1644, 2301..2367, 2446..2526		
GI Descrip.	(AC003672) putative glucanase [Arabidopsis thaliana]		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o1.gs	Method	GENSCAN
Start	111	End	4564
GI	none	Score	.55
Exons	111..566, 1361..1644, 2301..2877, 2976..3062, 4538..4564		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o1.ts	Method	TBLASTX:Soybean
Start	116	End	477
GI	none	Score	205
Exons	116..379, 124..477, 126..476		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o1.gp	Method	AAT/GAP
Start	124	End	2570
GI	6523_1.R1084	Score	1873
Exons	124..566, 1361..1644, 2301..2570		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER		

lumen protein retaining receptor [Arabidopsis thaliana]'

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o2.tm	Method	TBLASTX:Maize
Start	126	End	340
GI	none	Score	216
Exons	126..338, 126..338, 127..339, 128..340		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o1.tc	Method	TBLASTX:Cress
Start	393	End	1624
GI	none	Score	206
Exons	393..566, 1351..1563, 1358..1567, 1359..1568, 1565..1624		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o1.tm	Method	TBLASTX:Maize
Start	467	End	2550
GI	none	Score	94
Exons	467..568, 468..566, 469..570, 1358..1645, 1360..1569, 1371..1646, 2300..2356, 2302..2391, 2302..2364, 2340..2381, 2413..2550, 2483..2545		

Seq. No.	3250	Seq. ID	OJ990602_03.0107.C52
Gene No.	6902	Strand	-
Start	1	End	4564
Name	OJ990602_03.0107.C52.o2.ts	Method	TBLASTX:Soybean
Start	483	End	2502
GI	none	Score	72
Exons	483..569, 486..566, 491..568, 1299..1643, 1355..1645, 1358..1645, 2302..2364, 2425..2502		

Seq. No.	3251	Seq. ID	OJ990602_03.0107.C53
Gene No.	6903	Strand	-
Start	436	End	612
Name	OJ990602_03.0107.C53.o1.gs	Method	GENSCAN
Start	436	End	612
GI	none	Score	.93
Exons	436..612		

Seq. No.	3252	Seq. ID	OJ990602_03.0107.C55
Gene No.	6904	Strand	-
Start	46	End	636
Name	OJ990602_03.0107.C55.o1.gs	Method	GENSCAN
Start	46	End	571
GI	none	Score	.77
Exons	46..293, 376..571		

Seq. No.	3252	Seq. ID	OJ990602_03.0107.C55
Gene No.	6904	Strand	-
Start	46	End	636
Name	OJ990602_03.0107.C55.o1.np	Method	AAT/NAP

Start	46	End	636
GI	5091513	Score	424
Exons	46..636		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3253	Seq. ID	OJ990922_01.0104.C2
Gene No.	6905	Strand	+
Start	1235	End	1378
Name	OJ990922_01.0104.C2.o1.gs	Method	GENSCAN
Start	1235	End	1378
GI	none	Score	.77
Exons	1235..1378		

Seq. No.	3253	Seq. ID	OJ990922_01.0104.C2
Gene No.	6906	Strand	-
Start	1753	End	1783
Name	OJ990922_01.0104.C2.o2.gs	Method	GENSCAN
Start	1753	End	1783
GI	none	Score	.56
Exons	1753..1783		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6907	Strand	+
Start	2104	End	2682
Name	OJ990922_01.0104.C3.o1.gs	Method	GENSCAN
Start	2104	End	2682
GI	none	Score	.77
Exons	2104..2682		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o2.gs	Method	GENSCAN
Start	3522	End	10022
GI	none	Score	.43
Exons	3522..3583, 3871..4063, 4184..4608, 5950..6017, 6595..6619, 6646..6732, 7144..7338, 7694..7828, 9075..9330, 9738..9934, 9962..10022		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o1.gp	Method	AAT/GAP
Start	8661	End	9132
GI	3767610	Score	453
Exons	8661..8923, 9075..9132		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o1.np	Method	AAT/NAP
Start	9040	End	10131
GI	4662638	Score	410
Exons	9040..9308, 9619..9934, 9999..10131		
GI Descrip.	(AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3

Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o1.tc	Method	TBLASTX:Cress
Start	9073	End	9839
GI	none	Score	126
Exons	9073..9279, 9459..9674, 9460..9675, 9696..9824, 9726..9839		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o1.tw	Method	TBLASTX:Wheat
Start	9073	End	9702
GI	none	Score	91
Exons	9073..9180, 9077..9181, 9145..9273, 9145..9294, 9155..9295, 9179..9319, 9286..9318, 9290..9331, 9294..9332, 9459..9551, 9460..9552, 9516..9695, 9517..9681, 9517..9702		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o1.ts	Method	TBLASTX:Soybean
Start	9074	End	9833
GI	none	Score	99
Exons	9074..9235, 9076..9234, 9241..9312, 9450..9608, 9469..9609, 9606..9680, 9720..9818, 9726..9833, 9736..9819		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o1.tm	Method	TBLASTX:Maize
Start	9076	End	9689
GI	none	Score	160
Exons	9076..9234, 9077..9235, 9241..9294, 9242..9343, 9459..9608, 9469..9609, 9503..9610, 9606..9689, 9607..9675		

Seq. No.	3254	Seq. ID	OJ990922_01.0104.C3
Gene No.	6908	Strand	-
Start	3522	End	10131
Name	OJ990922_01.0104.C3.o2.tm	Method	TBLASTX:Maize
Start	9720	End	10130
GI	none	Score	79
Exons	9720..9911, 9720..9836, 9843..9911, 10038..10130		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6909	Strand	+
Start	838	End	998
Name	OJ990922_01.0104.C4.o3.gp	Method	AAT/GAP
Start	838	End	998
GI	21474_1.R1084	Score	240
Exons	838..998		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6910	Strand	+
Start	5604	End	6346
Name	OJ990922_01.0104.C4.o2.gs	Method	GENSCAN

Start	5604	End	6346
GI	none	Score	.52
Exons	5604..5742, 6102..6346		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6911	Strand	+
Start	8382	End	8653
Name	OJ990922_01.0104.C4.o5.gp	Method	AAT/GAP
Start	8382	End	8653
GI	2310235	Score	398
Exons	8382..8653		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6912	Strand	-
Start	1	End	3423
Name	OJ990922_01.0104.C4.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	427626	Score	281
Exons	1..165		
GI Descrip.	4097948 5.0e-16 (U72255) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6912	Strand	-
Start	1	End	3423
Name	OJ990922_01.0104.C4.o2.gp	Method	AAT/GAP
Start	1	End	357
GI	52477_1.R1084	Score	357
Exons	1..160, 264..357		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6912	Strand	-
Start	1	End	3423
Name	OJ990922_01.0104.C4.o1.np	Method	AAT/NAP
Start	1	End	329
GI	2160314	Score	141
Exons	1..166, 270..329		
GI Descrip.	(D25236) possible 1-3,1-4-beta-glucanase coding sequence [Oryza sativa]		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6912	Strand	-
Start	1	End	3423
Name	OJ990922_01.0104.C4.o1.gs	Method	GENSCAN
Start	64	End	3423
GI	none	Score	.52
Exons	64..263, 815..856, 1496..1598, 1678..1776, 2219..2392, 2529..2779, 3363..3423		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6912	Strand	-
Start	1	End	3423
Name	OJ990922_01.0104.C4.o2.np	Method	AAT/NAP

Start	1101	End	1351
GI	862343	Score	112
Exons	1101..1351		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6912	Strand	-
Start	1	End	3423
Name	OJ990922_01.0104.C4.o4.gp	Method	AAT/GAP
Start	2603	End	3089
GI	uC-osflcyp176f10b1	Score	840
Exons	2603..3089		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6913	Strand	-
Start	4397	End	8848
Name	OJ990922_01.0104.C4.o4.np	Method	AAT/NAP
Start	4397	End	8848
GI	4680204	Score	950
Exons	4397..4474, 5971..6119, 6875..7319, 7412..8848		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6913	Strand	-
Start	4397	End	8848
Name	OJ990922_01.0104.C4.o3.gs	Method	GENSCAN
Start	6844	End	8833
GI	none	Score	.62
Exons	6844..7052, 7178..7319, 7412..8833		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6913	Strand	-
Start	4397	End	8848
Name	OJ990922_01.0104.C4.o2.tw	Method	TBLASTX:Wheat
Start	7107	End	7801
GI	none	Score	57
Exons	7107..7328, 7409..7480, 7721..7801		

Seq. No.	3255	Seq. ID	OJ990922_01.0104.C4
Gene No.	6913	Strand	-
Start	4397	End	8848
Name	OJ990922_01.0104.C4.o1.tw	Method	TBLASTX:Wheat
Start	7802	End	8207
GI	none	Score	42
Exons	7802..7897, 7802..7897, 7935..8207, 7967..8203, 8065..8205		

Seq. No.	3256	Seq. ID	OJ990922_01.0104.C5
Gene No.	6914	Strand	-
Start	1	End	1296
Name	OJ990922_01.0104.C5.o1.gp	Method	AAT/GAP
Start	1	End	1296

GI	342_1.R1084	Score	1927
Exons	1..358, 436..457, 602..1296		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3256	Seq. ID	OJ990922_01.0104.C5
Gene No.	6914	Strand	-
Start	1	End	1296
Name	OJ990922_01.0104.C5.o1.gs	Method	GENSCAN
Start	673	End	1218
GI	none	Score	.87
Exons	673..934, 965..1218		

Seq. No.	3256	Seq. ID	OJ990922_01.0104.C5
Gene No.	6914	Strand	-
Start	1	End	1296
Name	OJ990922_01.0104.C5.o1.np	Method	AAT/NAP
Start	694	End	1296
GI	4680203	Score	571
Exons	694..1296		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3256	Seq. ID	OJ990922_01.0104.C5
Gene No.	6914	Strand	-
Start	1	End	1296
Name	OJ990922_01.0104.C5.o1.tw	Method	TBLASTX:Wheat
Start	748	End	1296
GI	none	Score	53
Exons	748..840, 749..814, 829..909, 922..1035, 923..1036, 1010..1105, 1042..1101, 1108..1152, 1113..1148, 1147..1296, 1163..1294		

Seq. No.	3257	Seq. ID	OJ990922_01.0104.C6
Gene No.	6915	Strand	-
Start	1	End	414
Name	OJ990922_01.0104.C6.o1.np	Method	AAT/NAP
Start	1	End	414
GI	6063554	Score	158
Exons	1..19, 272..414		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3258	Seq. ID	OJ990922_01.0104.C7
Gene No.	6916	Strand	-
Start	1	End	721
Name	OJ990922_01.0104.C7.o1.np	Method	AAT/NAP
Start	1	End	721
GI	4680203	Score	778
Exons	1..721		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3258	Seq. ID	OJ990922_01.0104.C7
Gene No.	6916	Strand	-
Start	1	End	721
Name	OJ990922_01.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	7	End	297
GI	none	Score	103

Exons	7..72, 79..297, 83..289		
Seq. No.	3258	Seq. ID	OJ990922_01.0104.C7
Gene No.	6916	Strand	-
Start	1	End	721
Name	OJ990922_01.0104.C7.o1.tw	Method	TBLASTX:Wheat
Start	69	End	420
GI	none	Score	185
Exons	69..320, 79..330, 80..322, 313..420		
Seq. No.	3258	Seq. ID	OJ990922_01.0104.C7
Gene No.	6916	Strand	-
Start	1	End	721
Name	OJ990922_01.0104.C7.o1.gs	Method	GENSCAN
Start	78	End	534
GI	none	Score	.75
Exons	78..534		
Seq. No.	3258	Seq. ID	OJ990922_01.0104.C7
Gene No.	6916	Strand	-
Start	1	End	721
Name	OJ990922_01.0104.C7.o1.gp	Method	AAT/GAP
Start	316	End	686
GI	2310235	Score	65
Exons	316..341, 632..686		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	3259	Seq. ID	OJ990922_01.0104.C8
Gene No.	6917	Strand	+
Start	108	End	236
Name	OJ990922_01.0104.C8.o1.gs	Method	GENSCAN
Start	108	End	236
GI	none	Score	.47
Exons	108..236		
Seq. No.	3260	Seq. ID	OJ990922_01.0104.C11
Gene No.	6918	Strand	-
Start	661	End	1501
Name	OJ990922_01.0104.C11.o1.gs	Method	GENSCAN
Start	661	End	1501
GI	none	Score	.76
Exons	661..772, 899..922, 1137..1501		
Seq. No.	3261	Seq. ID	OJ990922_01.0104.C12
Gene No.	6919	Strand	+
Start	187	End	2318
Name	OJ990922_01.0104.C12.o1.gs	Method	GENSCAN
Start	187	End	2318
GI	none	Score	.76
Exons	187..376, 2181..2318		
Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6920	Strand	+
Start	5161	End	5729
Name	OJ990922_01.0104.C13.o1.gp	Method	AAT/GAP
Start	5161	End	5729

GI	4879016	Score	876
Exons	5161..5729		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6921	Strand	+
Start	11873	End	13388
Name	OJ990922_01.0104.C13.o4.gs	Method	GENSCAN
Start	11873	End	13225
GI	none	Score	.88
Exons	11873..12046, 12158..12347, 12388..12519, 13161..13225		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6921	Strand	+
Start	11873	End	13388
Name	OJ990922_01.0104.C13.o2.gp	Method	AAT/GAP
Start	12820	End	13388
GI	4879016	Score	888
Exons	12820..13388		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6922	Strand	-
Start	303	End	1640
Name	OJ990922_01.0104.C13.o1.gs	Method	GENSCAN
Start	303	End	1640
GI	none	Score	.8
Exons	303..420, 1399..1504, 1577..1640		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o1.np	Method	AAT/NAP
Start	4016	End	15705
GI	6069646	Score	522
Exons	4016..4971, 14429..14728, 15685..15705		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o2.tm	Method	TBLASTX:Maize
Start	4040	End	4594
GI	none	Score	62
Exons	4040..4228, 4292..4594, 4295..4447, 4311..4547		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705

Name	OJ990922_01.0104.C13.o3.tw	Method	TBLASTX:Wheat
Start	4142	End	4495
GI	none	Score	105
Exons	4142..4225, 4301..4495, 4302..4475		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o2.gs	Method	GENSCAN
Start	4475	End	6279
GI	none	Score	.81
Exons	4475..4750, 6070..6279		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o3.tm	Method	TBLASTX:Maize
Start	4712	End	14182
GI	none	Score	71
Exons	4712..4819, 4814..4960, 4828..4977, 14129..14182		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o3.gs	Method	GENSCAN
Start	7911	End	11680
GI	none	Score	.47
Exons	7911..7937, 8171..8425, 10023..10253, 10325..10833, 11113..11193, 11455..11680		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o1.tc	Method	TBLASTX:Cress
Start	11717	End	12019
GI	none	Score	188
Exons	11717..12019		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o2.tw	Method	TBLASTX:Wheat
Start	11744	End	12172
GI	none	Score	60
Exons	11744..11851, 11825..12040, 12056..12172		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o5.gs	Method	GENSCAN
Start	14051	End	14850
GI	none	Score	.47
Exons	14051..14850		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705

Name	OJ990922_01.0104.C13.o1.tw	Method	TBLASTX:Wheat
Start	14159	End	14599
GI	none	Score	114
Exons	14159..14284, 14297..14599, 14310..14597		

Seq. No.	3262	Seq. ID	OJ990922_01.0104.C13
Gene No.	6923	Strand	-
Start	4475	End	15705
Name	OJ990922_01.0104.C13.o1.tm	Method	TBLASTX:Maize
Start	14240	End	14695
GI	none	Score	113
Exons	14240..14695, 14241..14498, 14580..14693		

Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6924	Strand	+
Start	1	End	3651
Name	OJ990922_01.0104.C14.o1.np	Method	AAT/NAP
Start	1	End	3651
GI	112802	Score	1541
Exons	1..385, 1334..1532, 2946..3163, 3316..3405, 3523..3651		
GI Descrip.	4-COUMARATE--COA LIGASE gi|82454|pir||JU0311 4-coumarate--CoA ligase (EC 6.2.1.12) - rice gi|20161|emb|CAA36850| (X52623) 4-coumarate-CoA ligase [Oryza sativa]		

Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6924	Strand	+
Start	1	End	3651
Name	OJ990922_01.0104.C14.o1.gs	Method	GENSCAN
Start	125	End	3645
GI	none	Score	.94
Exons	125..385, 1334..1532, 1894..1920, 2946..3159, 3300..3405, 3523..3645		

Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6925	Strand	-
Start	740	End	820
Name	OJ990922_01.0104.C14.o1.gp	Method	AAT/GAP
Start	740	End	820
GI	5455354	Score	103
Exons	740..820		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	211
GI	none	Score	236
Exons	1..117, 2..211		

Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o2.tm	Method	TBLASTX:Maize
Start	1	End	211
GI	none	Score	100

Exons	1..84, 2..85, 88..114, 89..211		
Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o1.tc	Method	TBLASTX:Cress
Start	2	End	3621
GI	none	Score	251
Exons	2..208, 13..132, 283..381, 284..385, 1330..1533, 1331..1534, 2930..3157, 2944..3156, 3310..3408, 3523..3621		
Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o1.ts	Method	TBLASTX:Soybean
Start	23	End	3621
GI	none	Score	205
Exons	23..214, 283..384, 284..385, 1331..1363, 1333..1365, 1364..1534, 1378..1533, 1412..1534, 2933..3160, 2944..3159, 3322..3408, 3523..3621		
Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o1.tm	Method	TBLASTX:Maize
Start	283	End	3621
GI	none	Score	147
Exons	283..381, 284..385, 302..385, 1331..1534, 1331..1375, 1333..1533, 1436..1534, 2944..3156, 2945..3157, 2945..3157, 3322..3408, 3523..3621		
Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o2.tw	Method	TBLASTX:Wheat
Start	3050	End	3621
GI	none	Score	149
Exons	3050..3157, 3053..3154, 3070..3156, 3309..3407, 3322..3408, 3523..3621		
Seq. No.	3263	Seq. ID	OJ990922_01.0104.C14
Gene No.	6926	Strand	-
Start	5351	End	6232
Name	OJ990922_01.0104.C14.o2.gs	Method	GENSCAN
Start	5351	End	6232
GI	none	Score	.95
Exons	5351..5522, 6120..6232		
Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6927	Strand	+
Start	7518	End	11212
Name	OJ990922_01.0104.C15.o2.gs	Method	GENSCAN
Start	7518	End	11212
GI	none	Score	.79
Exons	7518..7637, 7734..8060, 8343..8477, 9061..9131, 9968..10103, 10790..11212		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6928	Strand	+
Start	11719	End	13571
Name	OJ990922_01.0104.C15.o2.np	Method	AAT/NAP
Start	11719	End	13571
GI	6006359	Score	58
Exons	11719..11821, 13495..13571		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6929	Strand	+
Start	13670	End	15220
Name	OJ990922_01.0104.C15.o3.gs	Method	GENSCAN
Start	13670	End	15220
GI	none	Score	.56
Exons	13670..13905, 15181..15220		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6930	Strand	-
Start	1	End	6641
Name	OJ990922_01.0104.C15.o1.np	Method	AAT/NAP
Start	1	End	4402
GI	4377374	Score	211
Exons	1..70, 209..340, 684..817, 1146..1250, 1694..1796, 3572..3671, 3826..4072, 4340..4402		
GI Descrip.	(AE001684) Adenosylmethionine-8-Amino-7-Oxononanoate Aminotransferase [Chlamydia pneumoniae]		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6930	Strand	-
Start	1	End	6641
Name	OJ990922_01.0104.C15.o1.ts	Method	TBLASTX:Soybean
Start	2	End	830
GI	none	Score	70
Exons	2..76, 9..74, 206..343, 207..338, 669..830, 684..812, 685..819		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6930	Strand	-
Start	1	End	6641
Name	OJ990922_01.0104.C15.o1.gs	Method	GENSCAN
Start	209	End	6641
GI	none	Score	.57
Exons	209..340, 684..770, 3530..3678, 3830..3856, 3913..3950, 4743..4913, 5617..6461, 6564..6641		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6930	Strand	-
Start	1	End	6641
Name	OJ990922_01.0104.C15.o1.tm	Method	TBLASTX:Maize
Start	3538	End	4373
GI	none	Score	39
Exons	3538..3573, 3584..3676, 3585..3680, 3586..3681, 3828..3953, 3828..3950, 3830..3961, 4100..4183, 4104..4178, 4274..4369, 4274..4372, 4278..4373		

Seq. No.	3264	Seq. ID	OJ990922_01.0104.C15
Gene No.	6930	Strand	-

Start	1	End	6641
Name	OJ990922_01.0104.C15.o1.gp	Method	AAT/GAP
Start	3780	End	4473
GI	3769101	Score	691
Exons	3780..3950, 4103..4180, 4277..4473		

Seq. No.	3265	Seq. ID	OJ990922_01.0104.C16
Gene No.	6931	Strand	-
Start	168	End	398
Name	OJ990922_01.0104.C16.o1.gs	Method	GENSCAN
Start	168	End	398
GI	none	Score	.6
Exons	168..398		

Seq. No.	3266	Seq. ID	OJ990922_01.0104.C17
Gene No.	6932	Strand	-
Start	1	End	471
Name	OJ990922_01.0104.C17.o1.gp	Method	AAT/GAP
Start	1	End	471
GI	342_1.R1084	Score	847
Exons	1..471		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3266	Seq. ID	OJ990922_01.0104.C17
Gene No.	6932	Strand	-
Start	1	End	471
Name	OJ990922_01.0104.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	348
GI	none	Score	320
Exons	1..348, 3..338, 10..348		

Seq. No.	3266	Seq. ID	OJ990922_01.0104.C17
Gene No.	6932	Strand	-
Start	1	End	471
Name	OJ990922_01.0104.C17.o1.np	Method	AAT/NAP
Start	1	End	471
GI	6742729	Score	690
Exons	1..471		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	3266	Seq. ID	OJ990922_01.0104.C17
Gene No.	6932	Strand	-
Start	1	End	471
Name	OJ990922_01.0104.C17.o1.tm	Method	TBLASTX:Maize
Start	3	End	305
GI	none	Score	59
Exons	3..305, 12..221, 19..294		

Seq. No.	3266	Seq. ID	OJ990922_01.0104.C17
Gene No.	6932	Strand	-
Start	1	End	471
Name	OJ990922_01.0104.C17.o1.gs	Method	GENSCAN
Start	135	End	197
GI	none	Score	.47
Exons	135..197		

Seq. No.	3267	Seq. ID	OJ990922_01.0104.C18
Gene No.	6933	Strand	-
Start	1	End	3798
Name	OJ990922_01.0104.C18.o1.np	Method	AAT/NAP
Start	1	End	3798
GI	6172381	Score	272
Exons	1..121, 2576..3049, 3332..3535, 3569..3798		
GI Descrip.	(AB026839) Pi-b protein [Oryza sativa]		

Seq. No.	3267	Seq. ID	OJ990922_01.0104.C18
Gene No.	6933	Strand	-
Start	1	End	3798
Name	OJ990922_01.0104.C18.o1.gs	Method	GENSCAN
Start	2537	End	3727
GI	none	Score	.66
Exons	2537..3162, 3301..3727		

Seq. No.	3268	Seq. ID	OJ990922_01.0104.C19
Gene No.	6934	Strand	+
Start	12957	End	16435
Name	OJ990922_01.0104.C19.o2.tm	Method	TBLASTX:Maize
Start	8324	End	8634
GI	none	Score	122
Exons	8324..8422, 8325..8453, 8428..8634, 8469..8576		

Seq. No.	3268	Seq. ID	OJ990922_01.0104.C19
Gene No.	6934	Strand	+
Start	12957	End	16435
Name	OJ990922_01.0104.C19.o1.tm	Method	TBLASTX:Maize
Start	8835	End	9276
GI	none	Score	84
Exons	8835..8918, 8836..8925, 8927..9022, 8928..9026, 9038..9202, 9068..9202, 9220..9276		

Seq. No.	3268	Seq. ID	OJ990922_01.0104.C19
Gene No.	6934	Strand	+
Start	12957	End	16435
Name	OJ990922_01.0104.C19.o2.gs	Method	GENSCAN
Start	12957	End	16435
GI	none	Score	.66
Exons	12957..13786, 14452..15299, 15346..15894, 15924..16435		

Seq. No.	3269	Seq. ID	OJ990922_01.0104.C20
Gene No.	6935	Strand	+
Start	289	End	520
Name	OJ990922_01.0104.C20.o1.gs	Method	GENSCAN
Start	289	End	520
GI	none	Score	.93
Exons	289..446, 451..520		

Seq. No.	3269	Seq. ID	OJ990922_01.0104.C20
Gene No.	6936	Strand	+
Start	2609	End	3028
Name	OJ990922_01.0104.C20.o2.gs	Method	GENSCAN
Start	2609	End	3028
GI	none	Score	.6
Exons	2609..3028		

Seq. No.	3269	Seq. ID	OJ990922_01.0104.C20
Gene No.	6937	Strand	+
Start	2951	End	7758
Name	OJ990922_01.0104.C20.o1.np	Method	AAT/NAP
Start	2951	End	7758
GI	2129618	Score	124
Exons	2951..2970, 4377..4649, 7742..7758		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	3269	Seq. ID	OJ990922_01.0104.C20
Gene No.	6937	Strand	+
Start	2951	End	7758
Name	OJ990922_01.0104.C20.o3.gs	Method	GENSCAN
Start	3902	End	4384
GI	none	Score	.67
Exons	3902..3957, 4243..4384		

Seq. No.	3269	Seq. ID	OJ990922_01.0104.C20
Gene No.	6938	Strand	-
Start	7340	End	9401
Name	OJ990922_01.0104.C20.o2.np	Method	AAT/NAP
Start	7340	End	9401
GI	6721561	Score	108
Exons	7340..7370, 9263..9401		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3269	Seq. ID	OJ990922_01.0104.C20
Gene No.	6938	Strand	-
Start	7340	End	9401
Name	OJ990922_01.0104.C20.o1.gp	Method	AAT/GAP
Start	8703	End	8813
GI	uC-osf1cyp088b12b1	Score	136
Exons	8703..8813		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3270	Seq. ID	OJ990922_01.0104.C21
Gene No.	6939	Strand	+
Start	1977	End	3784
Name	OJ990922_01.0104.C21.o1.gs	Method	GENSCAN
Start	1977	End	3784
GI	none	Score	.55
Exons	1977..2308, 2370..2548, 2637..2730, 2807..2888, 3557..3784		

Seq. No.	3270	Seq. ID	OJ990922_01.0104.C21
Gene No.	6940	Strand	
Start	3977	End	4229
Name	OJ990922_01.0104.C21.o1.tm	Method	TBLASTX:Maize
Start	3977	End	4229
GI	none	Score	84

Exons	3977..4039, 4035..4229		
Seq. No.	3271	Seq. ID	OJ990922_01.0104.C22
Gene No.	6941	Strand	+
Start	828	End	1400
Name	OJ990922_01.0104.C22.o1.np	Method	AAT/NAP
Start	828	End	1400
GI	6721550	Score	145
Exons	828..1400		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		
Seq. No.	3272	Seq. ID	OJ990922_01.0104.C23
Gene No.	6942	Strand	-
Start	58	End	483
Name	OJ990922_01.0104.C23.o1.gs	Method	GENSCAN
Start	58	End	483
GI	none	Score	.8
Exons	58..483		
Seq. No.	3273	Seq. ID	OJ990922_01.0104.C24
Gene No.	6943	Strand	-
Start	1	End	771
Name	OJ990922_01.0104.C24.o1.np	Method	AAT/NAP
Start	1	End	771
GI	6721550	Score	71
Exons	1..65, 629..771		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		
Seq. No.	3274	Seq. ID	OJ990922_01.0104.C25
Gene No.	6944	Strand	+
Start	1	End	185
Name	OJ990922_01.0104.C25.o1.np	Method	AAT/NAP
Start	1	End	185
GI	112802	Score	265
Exons	1..185		
GI Descrip.	4-COUMARATE--COA LIGASE gi|82454|pir||JU0311 4-coumarate--CoA ligase (EC 6.2.1.12) - rice gi|20161|emb|CAA36850| (X52623) 4-coumarate-CoA ligase [Oryza sativa]		
Seq. No.	3274	Seq. ID	OJ990922_01.0104.C25
Gene No.	6944	Strand	+
Start	1	End	185
Name	OJ990922_01.0104.C25.o1.gs	Method	GENSCAN
Start	4	End	173
GI	none	Score	.82
Exons	4..173		
Seq. No.	3275	Seq. ID	OJ991022_15.0207.C1
Gene No.	6945	Strand	+
Start	1	End	712
Name	OJ991022_15.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	712
GI	3402758	Score	273
Exons	1..251, 355..712		
GI Descrip.	(AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	3275	Seq. ID	OJ991022_15.0207.C1
Gene No.	6945	Strand	+
Start	1	End	712
Name	OJ991022_15.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	153	End	564
GI	none	Score	61
Exons	153..221, 188..250, 215..259, 347..493, 352..564, 411..563		

Seq. No.	3275	Seq. ID	OJ991022_15.0207.C1
Gene No.	6945	Strand	+
Start	1	End	712
Name	OJ991022_15.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	218	End	570
GI	none	Score	48
Exons	218..253, 352..570, 367..525, 411..563		

Seq. No.	3275	Seq. ID	OJ991022_15.0207.C1
Gene No.	6945	Strand	+
Start	1	End	712
Name	OJ991022_15.0207.C1.o1.tc	Method	TBLASTX:Cress
Start	351	End	582
GI	none	Score	74
Exons	351..494, 352..582, 414..569		

Seq. No.	3275	Seq. ID	OJ991022_15.0207.C1
Gene No.	6945	Strand	+
Start	1	End	712
Name	OJ991022_15.0207.C1.o1.tw	Method	TBLASTX:Wheat
Start	352	End	572
GI	none	Score	265
Exons	352..570, 411..572		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6946	Strand	+
Start	169	End	710
Name	OJ991022_15.0207.C2.o1.gs	Method	GENSCAN
Start	169	End	710
GI	none	Score	.75
Exons	169..315, 528..710		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6947	Strand	+
Start	2619	End	11035
Name	OJ991022_15.0207.C2.o1.np	Method	AAT/NAP
Start	2592	End	11035
GI	6686398	Score	2443
Exons	2592..3864, 3988..4175, 4427..4555, 4640..4850, 4951..5188, 5280..5430, 5517..5821, 7483..8672, 9368..9505, 9557..9747, 9860..10070, 10174..10411, 10504..10654, 10736..11035		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6947	Strand	+
Start	2619	End	11035
Name	OJ991022_15.0207.C2.o3.gs	Method	GENSCAN
Start	2619	End	10820
GI	none	Score	.74

Exons	2619..3873, 4195..4296, 4374..4555, 4640..4850, 5005..5188, 5280..5367, 5517..5789, 6146..6571, 6641..7002, 7405..8636, 9566..9747, 9860..10070, 10261..10411, 10736..10820		
Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6948	Strand	+
Start	19080	End	25425
Name	OJ991022_15.0207.C2.o3.np	Method	AAT/NAP
Start	19080	End	23836
GI	6016874	Score	2231
Exons	19080..19158, 19242..19379, 19444..19676, 20067..20226, 20620..20799, 20917..21256, 21732..22002, 23812..23836		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6948	Strand	+
Start	19080	End	25425
Name	OJ991022_15.0207.C2.o5.gs	Method	GENSCAN
Start	19080	End	21915
GI	none	Score	.64
Exons	19080..19158, 19242..19379, 19444..19676, 20067..20226, 20800..21256, 21732..21915		
Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6948	Strand	+
Start	19080	End	25425
Name	OJ991022_15.0207.C2.o1.gp	Method	AAT/GAP
Start	19769	End	20277
GI	uC-osflcyp110c07b1	Score	970
Exons	19769..20277		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6948	Strand	+
Start	19080	End	25425
Name	OJ991022_15.0207.C2.o6.gs	Method	GENSCAN
Start	23555	End	25425
GI	none	Score	.64
Exons	23555..23753, 25412..25425		
Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6948	Strand	+
Start	19080	End	25425
Name	OJ991022_15.0207.C2.o4.np	Method	AAT/NAP
Start	24848	End	25297
GI	6069646	Score	412
Exons	24848..25297		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6949	Strand	+
Start	26985	End	34680
Name	OJ991022_15.0207.C2.o7.gs	Method	GENSCAN
Start	26985	End	33414
GI	none	Score	.76
Exons	26985..27153, 28174..28315, 29156..29306, 29562..29930, 30060..30179, 30526..30569, 31450..31547, 31914..31957, 32606..32799, 32904..33414		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6949	Strand	+
Start	26985	End	34680
Name	OJ991022_15.0207.C2.o2.gp	Method	AAT/GAP
Start	30359	End	30558
GI	3106943	Score	374
Exons	30359..30558		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6949	Strand	+
Start	26985	End	34680
Name	OJ991022_15.0207.C2.o3.gp	Method	AAT/GAP
Start	31746	End	31946
GI	3106943	Score	299
Exons	31746..31946		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6949	Strand	+
Start	26985	End	34680
Name	OJ991022_15.0207.C2.o5.np	Method	AAT/NAP
Start	32567	End	34680
GI	3269281	Score	560
Exons	32567..33450, 34617..34680		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6950	Strand	-
Start	941	End	2326
Name	OJ991022_15.0207.C2.o2.gs	Method	GENSCAN
Start	941	End	2326
GI	none	Score	.95
Exons	941..1022, 1392..1562, 2268..2326		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6951	Strand	-
Start	12092	End	19578
Name	OJ991022_15.0207.C2.o4.gs	Method	GENSCAN
Start	12092	End	17851
GI	none	Score	.69
Exons	12092..12413, 12652..12838, 14630..14679, 15637..15779, 15923..15976, 16138..16203, 16643..16747, 16856..17363, 17484..17851		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6951	Strand	-
Start	12092	End	19578
Name	OJ991022_15.0207.C2.o2.np	Method	AAT/NAP
Start	15636	End	19578
GI	4508068	Score	264
Exons	15636..15779, 16132..16203, 16387..16452, 16643..16702, 19053..19094, 19537..19578		
GI Descrip.	(AC005882) 3063 [Arabidopsis thaliana]		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6952	Strand	-
Start	35020	End	36469
Name	OJ991022_15.0207.C2.o8.gs	Method	GENSCAN
Start	35020	End	36469
GI	none	Score	.78
Exons	35020..35070, 35085..35161, 35629..35881, 36449..36469		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o1.tc	Method	TBLASTX:Cress
Start	1	End	10963
GI	none	Score	40
Exons	1..66, 6..68, 162..254, 165..269, 166..285, 411..668, 482..604, 4415..4555, 4474..4554, 4637..4831, 4639..4767, 4709..4855, 4944..5165, 4973..5185, 5283..5387, 5284..5388, 5487..5714, 9607..9747, 9860..10069, 9910..9999, 10167..10409, 10181..10411, 10193..10408, 10508..10600, 10510..10611, 10745..10963, 10810..10947		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	10915
GI	none	Score	72
Exons	1..63, 2..64, 162..269, 163..258, 410..592, 411..593, 4448..4555, 4503..4556, 4637..4906, 4639..4761, 4943..5188, 4956..5165, 5280..5420, 5281..5424, 5505..5699, 5516..5698, 9640..9747, 9860..10069, 9910..10065, 10190..10411, 10191..10409, 10193..10411, 10504..10626, 10505..10606, 10509..10622, 10720..10902, 10724..10915		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	10654
GI	none	Score	71
Exons	1..63, 2..64, 162..269, 163..285, 5013..5165, 5015..5185, 5016..5186, 5280..5402, 5281..5430, 5499..5558, 10236..10409, 10238..10408, 10239..10409, 10291..10410, 10504..10635, 10505..10654, 10508..10654		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-

Start	37565	End	39054
Name	OJ991022_15.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	2	End	11065
GI	none	Score	56
Exons	2..64, 162..281, 163..264, 360..584, 410..622, 411..668, 4364..4555, 4474..4554, 4627..4767, 4628..4831, 4628..4855, 4943..5185, 4944..5165, 5014..5184, 5058..5189, 5096..5188, 5280..5387, 5281..5382, 5505..5723, 5778..5837, 9643..9747, 9860..10069, 9910..10065, 10167..10409, 10172..10363, 10275..10421, 10504..10599, 10505..10600, 10508..10600, 10724..10951, 10807..10878, 10997..11065		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o4.tw	Method	TBLASTX:Wheat
Start	411	End	10941
GI	none	Score	164
Exons	411..614, 488..616, 5559..5714, 10736..10939, 10813..10941		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o4.ts	Method	TBLASTX:Soybean
Start	2679	End	7972
GI	none	Score	76
Exons	2679..2789, 2829..2930, 2889..2969, 3042..3176, 3044..3172, 7514..7579, 7559..7819, 7589..7663, 7837..7968, 7838..7972		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o3.tc	Method	TBLASTX:Cress
Start	2691	End	8359
GI	none	Score	71
Exons	2691..2840, 2831..2914, 2832..2978, 2979..3089, 3000..3089, 3135..3236, 3152..3235, 7523..7753, 7543..7674, 7799..7891, 7843..7890, 7925..8056, 7948..8058, 8174..8314, 8312..8359		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o4.tm	Method	TBLASTX:Maize
Start	2812	End	8068
GI	none	Score	59
Exons	2812..2877, 2819..2902, 2823..2999, 2825..2878, 2842..2880, 2867..2947, 2949..3197, 2970..3155, 2982..3047, 3008..3175, 3180..3245, 3182..3241, 7586..7984, 7594..7962, 7976..8068, 7991..8038		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o10.tm	Method	TBLASTX:Maize
Start	3626	End	8623
GI	none	Score	213
Exons	3626..3772, 3627..3773, 3659..3778, 3661..3777, 3760..3828,		

3774..3827, 3785..3832, 8421..8555, 8425..8577, 8425..8553, 8426..8581, 8426..8572, 8543..8623, 8554..8613, 8570..8623

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o3.tw	Method	TBLASTX:Wheat
Start	4637	End	10235
GI	none	Score	220
Exons	4637..4831, 4639..4857, 4943..5011, 4944..5012, 9844..10077, 9860..10069, 10167..10235		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o7.tm	Method	TBLASTX:Maize
Start	19428	End	19874
GI	none	Score	69
Exons	19428..19514, 19499..19708, 19500..19748, 19785..19841, 19836..19874		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o9.tm	Method	TBLASTX:Maize
Start	19968	End	20282
GI	none	Score	65
Exons	19968..20042, 20055..20282, 20063..20281		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o11.tm	Method	TBLASTX:Maize
Start	20487	End	20839
GI	none	Score	231
Exons	20487..20768, 20498..20839		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o8.tm	Method	TBLASTX:Maize
Start	20951	End	21194
GI	none	Score	282
Exons	20951..21109, 20961..21194		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o12.tm	Method	TBLASTX:Maize
Start	24849	End	25187
GI	none	Score	91
Exons	24849..24956, 24935..25054, 25044..25187		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o3.tm	Method	TBLASTX:Maize

Start	32587	End	33035
GI	none	Score	289
Exons	32587..32871, 32588..32866, 32593..32868, 32878..33033, 32928..33035, 32940..33032		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o2.tw	Method	TBLASTX:Wheat
Start	32588	End	32976
GI	none	Score	121
Exons	32588..32707, 32719..32865, 32720..32866, 32720..32866, 32890..32976		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o3.ts	Method	TBLASTX:Soybean
Start	32741	End	33336
GI	none	Score	89
Exons	32741..32878, 32761..32859, 32923..33336, 32940..33329		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o6.tm	Method	TBLASTX:Maize
Start	33043	End	33378
GI	none	Score	302
Exons	33043..33336, 33043..33336, 33337..33378		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o4.gp	Method	AAT/GAP
Start	37385	End	37852
GI	76282_1.R1084	Score	852
Exons	37385..37852		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o2.tm	Method	TBLASTX:Maize
Start	37507	End	38089
GI	none	Score	498
Exons	37507..37527, 37565..37909, 37569..37910, 37991..38005, 38030..38089		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o6.np	Method	AAT/NAP
Start	37559	End	39024
GI	4262149	Score	787
Exons	37559..37720, 37754..37936, 38012..38263, 38637..38737, 38856..39024		

GI Descrip. (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o9.gs	Method	GENSCAN
Start	37565	End	39015
GI	none	Score	.62
Exons	37565..38280, 38633..38737, 38856..39015		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o2.tc	Method	TBLASTX:Cress
Start	37577	End	38946
GI	none	Score	108
Exons	37577..37714, 37793..37909, 37824..37910, 38030..38263, 38031..38261, 38631..38774, 38638..38739, 38854..38946		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o2.ts	Method	TBLASTX:Soybean
Start	37577	End	38946
GI	none	Score	123
Exons	37577..37714, 37578..37715, 37793..37909, 37821..37910, 38028..38261, 38030..38263, 38631..38741, 38638..38739, 38854..38946		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o5.gp	Method	AAT/GAP
Start	37965	End	39054
GI	71813_1.R1084	Score	1010
Exons	37965..38263, 38637..38737, 38856..39054		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3276	Seq. ID	OJ991022_15.0207.C2
Gene No.	6953	Strand	-
Start	37565	End	39054
Name	OJ991022_15.0207.C2.o5.tm	Method	TBLASTX:Maize
Start	38090	End	38947
GI	none	Score	290
Exons	38090..38263, 38091..38261, 38129..38275, 38631..38780, 38637..38738, 38638..38739, 38854..38946, 38897..38947		

Seq. No.	3277	Seq. ID	OJ991022_15.0207.C4
Gene No.	6954	Strand	-
Start	258	End	679
Name	OJ991022_15.0207.C4.o1.gs	Method	GENSCAN
Start	258	End	597
GI	none	Score	.62
Exons	258..410, 491..597		

Seq. No.	3277	Seq. ID	OJ991022_15.0207.C4
Gene No.	6954	Strand	-
Start	258	End	679
Name	OJ991022_15.0207.C4.o1.tm	Method	TBLASTX:Maize
Start	487	End	679
GI	none	Score	177
Exons	487..678, 491..679		

Seq. No.	3278	Seq. ID	OJ991022_15.0207.C5
Gene No.	6955	Strand	+
Start	277	End	623
Name	OJ991022_15.0207.C5.o1.gs	Method	GENSCAN
Start	277	End	623
GI	none	Score	.67
Exons	277..326, 386..493, 563..623		

Seq. No.	3279	Seq. ID	OJ991022_15.0207.C6
Gene No.	6956	Strand	-
Start	164	End	681
Name	OJ991022_15.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	159	End	482
GI	none	Score	71
Exons	159..227, 238..387, 249..395, 264..392, 408..482		

Seq. No.	3279	Seq. ID	OJ991022_15.0207.C6
Gene No.	6956	Strand	-
Start	164	End	681
Name	OJ991022_15.0207.C6.o1.gp	Method	AAT/GAP
Start	164	End	681
GI	uC-osflcyp110c07b1	Score	753
Exons	164..518, 560..681		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	3279	Seq. ID	OJ991022_15.0207.C6
Gene No.	6956	Strand	-
Start	164	End	681
Name	OJ991022_15.0207.C6.o1.gs	Method	GENSCAN
Start	215	End	341
GI	none	Score	.83
Exons	215..341		

Seq. No.	3279	Seq. ID	OJ991022_15.0207.C6
Gene No.	6956	Strand	-
Start	164	End	681
Name	OJ991022_15.0207.C6.o1.np	Method	AAT/NAP
Start	247	End	383
GI	6016874	Score	181
Exons	247..383		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	3280	Seq. ID	OJ991022_15.0207.C8
Gene No.	6957	Strand	-
Start	15	End	52

Name	OJ991022_15.0207.C8.o1.gs	Method	GENSCAN
Start	15	End	52
GI	none	Score	.6
Exons	15..52		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6958	Strand	+
Start	4888	End	5274
Name	OJ991022_15.0207.C9.o3.gs	Method	GENSCAN
Start	4888	End	5274
GI	none	Score	.96
Exons	4888..5274		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6959	Strand	+
Start	8211	End	11314
Name	OJ991022_15.0207.C9.o1.np	Method	AAT/NAP
Start	8211	End	11314
GI	6686398	Score	1228
Exons	8211..9483, 9617..9819, 9866..10005, 10084..10294, 10377..10614, 10704..10807, 10969..11314		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6960	Strand	-
Start	333	End	1827
Name	OJ991022_15.0207.C9.o1.gs	Method	GENSCAN
Start	333	End	1827
GI	none	Score	.73
Exons	333..1584, 1751..1827		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6961	Strand	-
Start	5566	End	6013
Name	OJ991022_15.0207.C9.o4.gs	Method	GENSCAN
Start	5566	End	6013
GI	none	Score	.98
Exons	5566..5712, 5717..6013		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o3.tm	Method	TBLASTX:Maize
Start	415	End	9455
GI	none	Score	56
Exons	415..462, 417..500, 471..620, 515..598, 520..600, 9228..9455, 9234..9440, 9253..9453		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o2.tc	Method	TBLASTX:Cress
Start	681	End	8846
GI	none	Score	159
Exons	681..707, 732..770, 774..872, 1011..1115, 1161..1250, 1308..1628, 8316..8585, 8348..8560, 8607..8702, 8654..8680, 8736..8846		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o2.tm	Method	TBLASTX:Maize
Start	942	End	8900
GI	none	Score	56
Exons	942..1070, 955..1068, 1053..1262, 1057..1308, 1311..1346, 1380..1454, 1398..1469, 8400..8510, 8415..8486, 8449..8487, 8474..8575, 8478..8597, 8493..8591, 8580..8804, 8615..8782, 8787..8900, 8805..8879		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o2.ts	Method	TBLASTX:Soybean
Start	1071	End	8783
GI	none	Score	45
Exons	1071..1124, 1078..1125, 1155..1208, 1156..1218, 1203..1259, 1398..1481, 1476..1577, 8292..8393, 8388..8540, 8393..8476, 8649..8783		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o5.tm	Method	TBLASTX:Maize
Start	5118	End	5320
GI	none	Score	124
Exons	5118..5228, 5119..5247, 5244..5318, 5248..5319, 5249..5320		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o4.tm	Method	TBLASTX:Maize
Start	5543	End	5734
GI	none	Score	166
Exons	5543..5734, 5560..5733		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6962	Strand	-
Start	7767	End	9455
Name	OJ991022_15.0207.C9.o1.gp	Method	AAT/GAP
Start	7767	End	8127
GI	LIB3431-014-P1-K1-B5	Score	576
Exons	7767..8127		
GI Descrip.	'1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]'		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6963	Strand	
Start	9907	End	11237
Name	OJ991022_15.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	9907	End	11237
GI	none	Score	89
Exons	9907..10005, 10075..10293, 10083..10289, 10394..10594, 10396..10614, 10420..10614, 10704..10811, 10705..10800, 11000..11197, 11004..11198, 11121..11237		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6963	Strand	
Start	9907	End	11237
Name	OJ991022_15.0207.C9.o1.tc	Method	TBLASTX:Cress
Start	9922	End	11228
GI	none	Score	95
Exons	9922..10005, 10075..10293, 10083..10292, 10199..10294, 10370..10600, 10375..10611, 10400..10618, 10404..10610, 10414..10614, 10704..10829, 10705..10830, 10707..10838, 10708..10830, 11004..11228		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6963	Strand	
Start	9907	End	11237
Name	OJ991022_15.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	9934	End	11228
GI	none	Score	85
Exons	9934..10005, 10072..10308, 10083..10301, 10135..10305, 10370..10600, 10375..10566, 10400..10618, 10525..10614, 10704..10820, 10705..10806, 10705..10839, 11004..11228, 11081..11158		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6963	Strand	
Start	9907	End	11237
Name	OJ991022_15.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	10081	End	10491
GI	none	Score	260
Exons	10081..10293, 10083..10289, 10370..10489, 10384..10491		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6963	Strand	
Start	9907	End	11237
Name	OJ991022_15.0207.C9.o2.tw	Method	TBLASTX:Wheat
Start	10492	End	10812
GI	none	Score	142
Exons	10492..10611, 10493..10600, 10704..10811, 10705..10812		

Seq. No.	3281	Seq. ID	OJ991022_15.0207.C9
Gene No.	6963	Strand	
Start	9907	End	11237
Name	OJ991022_15.0207.C9.o3.tw	Method	TBLASTX:Wheat
Start	11015	End	11219
GI	none	Score	175
Exons	11015..11218, 11016..11219		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o1.np	Method	AAT/NAP
Start	1599	End	5372
GI	4008008	Score	1530
Exons	1599..2900, 3246..3379, 3490..3619, 4059..4269, 4517..4754, 4840..4987, 5073..5372		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o2.ts	Method	TBLASTX:Soybean
Start	1605	End	2051
GI	none	Score	177
Exons	1605..1844, 1869..2051		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o1.gp	Method	AAT/GAP
Start	1778	End	2239
GI	3761421	Score	812
Exons	1778..2239		
GI Descrip.	1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o2.tc	Method	TBLASTX:Cress
Start	2198	End	2660
GI	none	Score	84
Exons	2198..2302, 2199..2267, 2340..2510, 2411..2512, 2507..2611, 2508..2612, 2622..2660		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o4.tm	Method	TBLASTX:Maize
Start	2397	End	2744
GI	none	Score	172
Exons	2397..2660, 2703..2744		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o3.ts	Method	TBLASTX:Soybean
Start	2514	End	2819
GI	none	Score	72
Exons	2514..2603, 2619..2777, 2621..2734, 2664..2819		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o5.tm	Method	TBLASTX:Maize
Start	3443	End	3619
GI	none	Score	182
Exons	3443..3619, 3451..3612		

Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o1.tc	Method	TBLASTX:Cress
Start	3539	End	5320
GI	none	Score	90

Exons	3539..3619, 3547..3618, 4059..4268, 4109..4267, 4507..4752, 4515..4751, 4843..4965, 4843..4947, 4844..4966, 5082..5285, 5144..5320		
Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	4059	End	5294
GI	none	Score	208
Exons	4059..4241, 4117..4251, 4118..4240, 4245..4271, 4492..4692, 4509..4751, 4510..4752, 4542..4754, 4840..4947, 4841..4942, 5061..5264, 5069..5284, 5073..5294		
Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o3.tm	Method	TBLASTX:Maize
Start	4059	End	4268
GI	none	Score	279
Exons	4059..4268, 4109..4267		
Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o2.tw	Method	TBLASTX:Wheat
Start	4059	End	4578
GI	none	Score	249
Exons	4059..4268, 4115..4261, 4129..4269, 4507..4578		
Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o2.tm	Method	TBLASTX:Maize
Start	4543	End	4754
GI	none	Score	299
Exons	4543..4752, 4545..4754		
Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	4579	End	5114
GI	none	Score	243
Exons	4579..4752, 4581..4751, 4585..4752, 4840..4947, 4841..4948, 5073..5114		
Seq. No.	3282	Seq. ID	OJ991022_15.0207.C10
Gene No.	6964	Strand	+
Start	1599	End	5386
Name	OJ991022_15.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	4816	End	5386
GI	none	Score	111
Exons	4816..4953, 4832..4963, 4839..4952, 4841..4963, 4958..4987, 5058..5354, 5059..5295, 5060..5371, 5073..5381, 5132..5386		
Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11

Gene No.	6965	Strand	+
Start	274	End	1224
Name	OJ991022_15.0207.C11.o1.gs	Method	GENSCAN
Start	274	End	1224
GI	none	Score	.65
Exons	274..427, 532..860, 1060..1224		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6966	Strand	+
Start	1161	End	1288
Name	OJ991022_15.0207.C11.o1.np	Method	AAT/NAP
Start	1161	End	1288
GI	6721543	Score	108
Exons	1161..1288		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o1.gp	Method	AAT/GAP
Start	1522	End	1975
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	1522..1975		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o2.gs	Method	GENSCAN
Start	1800	End	6588
GI	none	Score	.52
Exons	1800..1960, 2111..2313, 2318..2365, 2429..2560, 2651..2688, 2753..2935, 3028..3286, 3363..3661, 3755..4165, 4250..4586, 4692..4842, 5218..6588		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o2.np	Method	AAT/NAP
Start	2079	End	6740
GI	5441880	Score	3542
Exons	2079..2313, 2429..2560, 2651..2674, 2710..2783, 3028..3286, 3363..3661, 4250..4586, 4692..4842, 5338..5653, 5912..5943, 6388..6740		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o2.gp	Method	AAT/GAP
Start	3036	End	3535
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	3036..3286, 3363..3535		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	6158	End	6538
GI	none	Score	81
Exons	6158..6334, 6188..6334, 6219..6338, 6332..6529, 6344..6538		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	6236	End	6670
GI	none	Score	151
Exons	6236..6307, 6371..6670, 6432..6653		

Seq. No.	3283	Seq. ID	OJ991022_15.0207.C11
Gene No.	6967	Strand	-
Start	1800	End	6740
Name	OJ991022_15.0207.C11.o3.gp	Method	AAT/GAP
Start	6358	End	6740
GI	5701669	Score	719
Exons	6358..6740		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6968	Strand	+
Start	7996	End	9441
Name	OJ991022_15.0207.C12.o2.np	Method	AAT/NAP
Start	7996	End	9441
GI	4680184	Score	1224
Exons	7996..9276, 9305..9441		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6969	Strand	-
Start	1	End	977
Name	OJ991022_15.0207.C12.o1.np	Method	AAT/NAP
Start	1	End	524
GI	5441880	Score	904
Exons	1..524		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6969	Strand	-
Start	1	End	977
Name	OJ991022_15.0207.C12.o1.gs	Method	GENSCAN
Start	56	End	977
GI	none	Score	.62
Exons	56..977		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6970	Strand	-
Start	1416	End	1581
Name	OJ991022_15.0207.C12.o1.gp	Method	AAT/GAP
Start	1416	End	1581
GI	7406_1.R1084	Score	231
Exons	1416..1581		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6971	Strand	-
Start	2333	End	10209
Name	OJ991022_15.0207.C12.o2.gs	Method	GENSCAN
Start	2333	End	10209
GI	none	Score	.5
Exons	2333..2618, 3137..3306, 3670..3939, 4140..4287, 4320..4552, 5612..5714, 5820..5914, 6261..6383, 8016..8221, 8281..8471, 8537..8719, 8739..9319, 9952..10209		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6971	Strand	-
Start	2333	End	10209
Name	OJ991022_15.0207.C12.o3.gp	Method	AAT/GAP
Start	6139	End	6566
GI	4878407	Score	653
Exons	6139..6566		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6972	Strand	-
Start	10469	End	10740
Name	OJ991022_15.0207.C12.o3.gs	Method	GENSCAN
Start	10469	End	10740
GI	none	Score	.55
Exons	10469..10583, 10589..10740		

Seq. No.	3284	Seq. ID	OJ991022_15.0207.C12
Gene No.	6972	Strand	-
Start	10469	End	10740
Name	OJ991022_15.0207.C12.o3.np	Method	AAT/NAP
Start	10472	End	10604
GI	5922620	Score	171
Exons	10472..10604		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3285	Seq. ID	OJ991022_15.0207.C13
Gene No.	6973	Strand	+
Start	726	End	1398
Name	OJ991022_15.0207.C13.o1.np	Method	AAT/NAP
Start	726	End	1398

GI	913141	Score	371
Exons	726..1398		
GI Descrip.	ARK3 product/receptor-like serine/threonine protein kinase ARK3 [Arabidopsis thaliana, Columbia, Peptide, 851 aa]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6974	Strand	+
Start	18	End	1092
Name	OJ991022_15.0207.C14.o1.gs	Method	GENSCAN
Start	18	End	1092
GI	none	Score	.89
Exons	18..456, 743..936, 1063..1092		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o1.np	Method	AAT/NAP
Start	3235	End	11947
GI	6686398	Score	2289
Exons	3235..3329, 5005..6208, 6344..6534, 6575..6711, 6792..7002, 7097..7334, 7439..7589, 7674..7978, 8764..9965, 10113..10254, 10420..10598, 10702..10912, 11017..11254, 11388..11538, 11648..11947		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o3.gs	Method	GENSCAN
Start	5266	End	7976
GI	none	Score	.81
Exons	5266..6208, 6338..6454, 6518..6697, 7097..7334, 7439..7589, 7674..7976		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o4.gs	Method	GENSCAN
Start	8705	End	15965
GI	none	Score	.81
Exons	8705..9953, 10420..10598, 10669..10912, 11164..11254, 11388..11538, 12874..12969, 13676..13879, 13946..14029, 14117..14313, 14778..15131, 15184..15965		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o2.np	Method	AAT/NAP
Start	11786	End	15508
GI	4587577	Score	191
Exons	11786..11808, 13594..14168, 15487..15508		
GI Descrip.	(AC006550) F10O3.17 [Arabidopsis thaliana]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o6.np	Method	AAT/NAP

Start	13681	End	16704
GI	5545339	Score	77
Exons	13681..13720, 16346..16428, 16571..16704		
GI Descrip.	(AB030083) lectin-like protein kinase [Populus nigra]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o4.np	Method	AAT/NAP
Start	14716	End	16704
GI	2662048	Score	382
Exons	14716..16118, 16273..16427, 16531..16618, 16662..16704		
GI Descrip.	(AB000970) receptor kinase 1 [Brassica rapa]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o5.np	Method	AAT/NAP
Start	14737	End	16704
GI	3056587	Score	313
Exons	14737..15846, 15874..16067, 16282..16430, 16525..16561, 16606..16704		
GI Descrip.	(AC004255) T1F9.8 [Arabidopsis thaliana]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6975	Strand	+
Start	3235	End	16704
Name	OJ991022_15.0207.C14.o3.np	Method	AAT/NAP
Start	14827	End	15889
GI	6651318	Score	285
Exons	14827..15889		
GI Descrip.	(AF162910) S-locus related [Hirschfeldia incana]		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6976	Strand	-
Start	2181	End	3767
Name	OJ991022_15.0207.C14.o2.gs	Method	GENSCAN
Start	2181	End	3767
GI	none	Score	.86
Exons	2181..2408, 2652..2775, 3308..3335, 3707..3767		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o2.tc	Method	TBLASTX:Cress
Start	6	End	15640
GI	none	Score	51
Exons	6..107, 105..182, 300..341, 5041..5241, 5061..5198, 5307..5405, 5314..5397, 5443..5553, 5698..5787, 5803..5862, 5866..5892, 8795..9154, 9019..9153, 9194..9313, 9443..9532, 9545..9583, 9608..9634, 14923..15039, 15100..15171, 15221..15283, 15305..15373, 15449..15589, 15614..15640		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o3.ts	Method	TBLASTX:Soybean

Start	111	End	15904
GI	none	Score	77
Exons	111..200, 119..193, 216..368, 218..367, 357..404, 6022..6069, 6091..6156, 15710..15748, 15779..15841, 15857..15904		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o4.tm	Method	TBLASTX:Maize
Start	288	End	15919
GI	none	Score	82
Exons	288..362, 5937..6077, 5938..6078, 6055..6120, 6105..6167, 6109..6168, 6117..6167, 9676..9849, 9701..9862, 9706..9789, 9717..9848, 9851..9904, 9853..9894, 15699..15842, 15701..15856, 15714..15869, 15715..15858, 15845..15919, 15860..15904		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o1.tm	Method	TBLASTX:Maize
Start	829	End	16426
GI	none	Score	113
Exons	829..936, 843..929, 1322..1540, 1357..1533, 1661..1924, 1662..1880, 1796..1891, 1957..2064, 1958..2050, 2176..2349, 2259..2351, 3058..3276, 3117..3272, 3386..3631, 3415..3633, 3750..3839, 3751..3834, 3966..4139, 3974..4027, 4070..4150, 4145..4177, 4146..4205, 6607..6711, 6783..7001, 6848..6946, 7087..7314, 7116..7334, 7438..7521, 7439..7546, 7440..7535, 7661..7726, 7662..7835, 7769..7849, 7845..7904, 7848..7877, 10488..10598, 10699..10911, 10699..10911, 10701..10940, 11033..11203, 11034..11231, 11388..11495, 11388..11528, 11389..11550, 11618..11812, 11647..11691, 11722..11814, 11798..11851, 16364..16426		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o1.ts	Method	TBLASTX:Soybean
Start	855	End	11860
GI	none	Score	96
Exons	855..935, 865..936, 1322..1552, 1357..1533, 1388..1552, 1638..1880, 1652..1834, 1668..1886, 1793..1891, 1957..2064, 1958..2050, 1958..2092, 1960..2061, 2176..2397, 2259..2396, 3058..3276, 3117..3272, 3386..3631, 3394..3630, 3455..3637, 3481..3633, 3750..3815, 3750..3827, 3751..3834, 3966..4190, 4040..4186, 6640..6711, 6783..7001, 6848..6949, 7087..7314, 7095..7331, 7159..7338, 7248..7334, 7439..7534, 7439..7534, 7440..7541, 7661..7885, 7662..7889, 10527..10598, 10699..10911, 10701..10907, 10729..10911, 11000..11251, 11037..11231, 11387..11488, 11388..11489, 11388..11501, 11389..11490, 11588..11809, 11618..11860		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o1.tc	Method	TBLASTX:Cress
Start	856	End	11860

GI	none	Score	90
Exons	856..936, 864..935, 1322..1540, 1354..1470, 1385..1528, 1637..1879, 1638..1880, 1668..1886, 1956..2024, 1960..2064, 1961..2065, 2185..2397, 2256..2405, 3058..3276, 3117..3275, 3121..3288, 3386..3631, 3415..3630, 3750..3839, 3751..3840, 3984..4187, 4046..4186, 6628..6711, 6783..7001, 6848..6931, 6870..7016, 6877..7008, 7087..7314, 7116..7331, 7442..7531, 7442..7567, 7443..7556, 7662..7886, 10518..10610, 10699..10911, 10701..10841, 10756..10911, 10757..10912, 11036..11206, 11037..11231, 11054..11254, 11082..11249, 11391..11495, 11392..11496, 11633..11860		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o1.tw	Method	TBLASTX:Wheat
Start	1328	End	16702
GI	none	Score	266
Exons	1328..1570, 1357..1533, 1638..1757, 3064..3285, 3123..3284, 3203..3298, 3386..3508, 3418..3510, 3421..3510, 6789..7001, 6845..6949, 7047..7211, 7087..7209, 10699..10911, 10701..10907, 11000..11131, 11034..11129, 16661..16702		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o2.tw	Method	TBLASTX:Wheat
Start	1757	End	11499
GI	none	Score	166
Exons	1757..1879, 1758..1880, 1758..1880, 1957..2064, 1958..2065, 1961..2065, 2185..2226, 3511..3630, 3512..3631, 3512..3631, 3750..3839, 3751..3876, 3975..4016, 7212..7331, 7213..7314, 7213..7332, 7439..7546, 7440..7583, 7674..7715, 11132..11251, 11133..11231, 11133..11252, 11134..11253, 11388..11495, 11389..11499		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o2.ts	Method	TBLASTX:Soybean
Start	5032	End	15039
GI	none	Score	70
Exons	5032..5097, 5092..5349, 5097..5180, 5343..5486, 5359..5493, 8858..9037, 9023..9088, 9107..9232, 9109..9237, 14922..14990, 14923..15039		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o2.tm	Method	TBLASTX:Maize
Start	5104	End	15304
GI	none	Score	118
Exons	5104..5214, 5112..5189, 5119..5190, 5191..5313, 5211..5291, 5284..5385, 5286..5489, 5287..5502, 5509..5559, 5512..5556, 8867..8956, 8875..8952, 8878..8976, 8938..9024, 8941..9048, 8945..9046, 8991..9047, 9023..9220, 9046..9243, 9047..9232, 9057..9236, 9073..9237, 9260..9337, 14922..15047, 14923..15051,		

14929..15051, 15100..15141, 15114..15164, 15139..15165,
15194..15304

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o1.gp	Method	AAT/GAP
Start	10737	End	11207
GI	LIB3432-020-P1-K1-H1	Score	889
Exons	10737..11207		
GI Descrip.	'2735017 1.0e-40 (U82481) KI domain interacting kinase 1 [Zea mays]'		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o3.tm	Method	TBLASTX:Maize
Start	13751	End	14160
GI	none	Score	60
Exons	13751..13795, 13799..13867, 13832..14029, 13858..14028, 13945..14031, 13998..14030, 14107..14160, 14108..14158		

Seq. No.	3286	Seq. ID	OJ991022_15.0207.C14
Gene No.	6977	Strand	-
Start	10737	End	16702
Name	OJ991022_15.0207.C14.o4.ts	Method	TBLASTX:Soybean
Start	13880	End	14140
GI	none	Score	176
Exons	13880..14062, 13882..14019, 14108..14140		

Seq. No.	3287	Seq. ID	OJ991022_15.0207.C15
Gene No.	6978	Strand	+
Start	190	End	680
Name	OJ991022_15.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	174	End	573
GI	none	Score	90
Exons	174..254, 326..466, 469..558, 469..573		

Seq. No.	3287	Seq. ID	OJ991022_15.0207.C15
Gene No.	6978	Strand	+
Start	190	End	680
Name	OJ991022_15.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	183	End	558
GI	none	Score	93
Exons	183..251, 192..254, 350..466, 468..506, 469..558		

Seq. No.	3287	Seq. ID	OJ991022_15.0207.C15
Gene No.	6978	Strand	+
Start	190	End	680
Name	OJ991022_15.0207.C15.o1.np	Method	AAT/NAP
Start	190	End	680
GI	3056590	Score	191
Exons	190..263, 335..680		
GI Descrip.	(AC004255) T1F9.11 [Arabidopsis thaliana]		

Seq. No.	3287	Seq. ID	OJ991022_15.0207.C15
Gene No.	6978	Strand	+

Start	190	End	680
Name	OJ991022_15.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	192	End	565
GI	none	Score	86
Exons	192..254, 326..436, 469..558, 485..565		

Seq. No.	3287	Seq. ID	OJ991022_15.0207.C15
Gene No.	6978	Strand	+
Start	190	End	680
Name	OJ991022_15.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	332	End	558
GI	none	Score	97
Exons	332..436, 469..558		

Seq. No.	3288	Seq. ID	OJ991022_15.0207.C17
Gene No.	6979	Strand	+
Start	79	End	679
Name	OJ991022_15.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	55	End	516
GI	none	Score	111
Exons	55..192, 71..202, 78..191, 80..202, 197..226, 308..505, 310..507, 313..336, 323..502, 382..516		

Seq. No.	3288	Seq. ID	OJ991022_15.0207.C17
Gene No.	6979	Strand	+
Start	79	End	679
Name	OJ991022_15.0207.C17.o1.np	Method	AAT/NAP
Start	79	End	679
GI	3402758	Score	214
Exons	79..226, 323..515, 626..679		
GI Descrip.	(AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	3288	Seq. ID	OJ991022_15.0207.C17
Gene No.	6979	Strand	+
Start	79	End	679
Name	OJ991022_15.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	79	End	508
GI	none	Score	133
Exons	79..186, 80..181, 319..501, 323..508		

Seq. No.	3288	Seq. ID	OJ991022_15.0207.C17
Gene No.	6979	Strand	+
Start	79	End	679
Name	OJ991022_15.0207.C17.o1.gs	Method	GENSCAN
Start	86	End	166
GI	none	Score	.43
Exons	86..166		

Seq. No.	3288	Seq. ID	OJ991022_15.0207.C17
Gene No.	6979	Strand	+
Start	79	End	679
Name	OJ991022_15.0207.C17.o1.tc	Method	TBLASTX:Cress
Start	289	End	508
GI	none	Score	184
Exons	289..474, 323..508		

Seq. No.	3289	Seq. ID	OJ991022_15.0207.C18
Gene No.	6980	Strand	+
Start	271	End	345
Name	OJ991022_15.0207.C18.o1.gs	Method	GENSCAN
Start	271	End	345
GI	none	Score	.64
Exons	271..345		

Seq. No.	3290	Seq. ID	OJ991022_15.0207.C19
Gene No.	6981	Strand	-
Start	12	End	502
Name	OJ991022_15.0207.C19.o1.gs	Method	GENSCAN
Start	12	End	502
GI	none	Score	.68
Exons	12..215, 409..502		

Seq. No.	3291	Seq. ID	OJ991022_15.0207.C20
Gene No.	6982	Strand	+
Start	387	End	693
Name	OJ991022_15.0207.C20.o1.np	Method	AAT/NAP
Start	387	End	693
GI	4008010	Score	104
Exons	387..559, 601..693		
GI Descrip.	(AF084036) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	3292	Seq. ID	OJ991012_16.0204.C3
Gene No.	6983	Strand	+
Start	1	End	397
Name	OJ991012_16.0204.C3.o1.np	Method	AAT/NAP
Start	1	End	397
GI	6513858	Score	317
Exons	1..397		
GI Descrip.	(AF000001) topoisomerase B [Salmonella typhi]		

Seq. No.	3292	Seq. ID	OJ991012_16.0204.C3
Gene No.	6983	Strand	+
Start	1	End	397
Name	OJ991012_16.0204.C3.o1.gs	Method	GENSCAN
Start	51	End	387
GI	none	Score	.89
Exons	51..387		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o1.gs	Method	GENSCAN
Start	3449	End	4495
GI	none	Score	.59
Exons	3449..4495		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o1.np	Method	AAT/NAP
Start	3479	End	4483
GI	5487873	Score	493
Exons	3479..4483		

GI Descrip. (AF110333) PrMC3 [Pinus radiata]

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o1.ts	Method	TBLASTX:Soybean
Start	3503	End	4462
GI	none	Score	66
Exons	3503..3592, 3706..3762, 3725..3916, 3835..3879, 3944..4009, 3964..4017, 4073..4144, 4075..4146, 4142..4462, 4198..4281, 4378..4443		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o1.tw	Method	TBLASTX:Wheat
Start	3503	End	3889
GI	none	Score	55
Exons	3503..3553, 3587..3661, 3592..3675, 3709..3882, 3725..3883, 3818..3889		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o2.tc	Method	TBLASTX:Cress
Start	3503	End	3862
GI	none	Score	56
Exons	3503..3556, 3602..3661, 3712..3789, 3725..3826, 3833..3862, 3835..3861		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o1.tm	Method	TBLASTX:Maize
Start	3629	End	4006
GI	none	Score	396
Exons	3629..3661, 3706..4005, 3725..4006		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o1.tc	Method	TBLASTX:Cress
Start	4142	End	4360
GI	none	Score	254
Exons	4142..4360		

Seq. No.	3293	Seq. ID	OJ991012_16.0204.C4
Gene No.	6984	Strand	+
Start	3449	End	4495
Name	OJ991012_16.0204.C4.o2.tm	Method	TBLASTX:Maize
Start	4205	End	4447
GI	none	Score	307
Exons	4205..4447, 4210..4446		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6985	Strand	+
Start	505	End	1515

Name	OJ991012_16.0204.C5.o1.gs	Method	GENSCAN
Start	505	End	1512
GI	none	Score	1
Exons	505..1512		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6985	Strand	+
Start	505	End	1515
Name	OJ991012_16.0204.C5.o1.np	Method	AAT/NAP
Start	523	End	1515
GI	5487873	Score	515
Exons	523..1515		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6986	Strand	+
Start	3505	End	7426
Name	OJ991012_16.0204.C5.o2.gs	Method	GENSCAN
Start	3505	End	7426
GI	none	Score	.69
Exons	3505..4487, 7046..7268, 7280..7426		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6986	Strand	+
Start	3505	End	7426
Name	OJ991012_16.0204.C5.o2.np	Method	AAT/NAP
Start	3526	End	4494
GI	542058	Score	481
Exons	3526..4494		
GI Descrip.	HSR203J protein - common tobacco gi|444002|emb|CAA54393| (X77136) HSR203J [Nicotiana tabacum]		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6986	Strand	+
Start	3505	End	7426
Name	OJ991012_16.0204.C5.o1.gp	Method	AAT/GAP
Start	3848	End	4366
GI	uC-osflm202113f08b1	Score	989
Exons	3848..4366		
GI Descrip.	'542058/pir||S42807 1.0e-31 HSR203J protein - common tobacco >gi_444002_emb_CAA54393_ (X77136) HSR203J [Nicotiana tabacum]'		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6987	Strand	+
Start	12951	End	13934
Name	OJ991012_16.0204.C5.o5.gs	Method	GENSCAN
Start	12951	End	13934
GI	none	Score	1
Exons	12951..13934		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6987	Strand	+
Start	12951	End	13934
Name	OJ991012_16.0204.C5.o4.np	Method	AAT/NAP
Start	12957	End	13925
GI	5487873	Score	464
Exons	12957..13925		

GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		
Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6987	Strand	+
Start	12951	End	13934
Name	OJ991012_16.0204.C5.o3.np	Method	AAT/NAP
Start	12963	End	13922
GI	6523100	Score	331
Exons	12963..13922		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		
Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6988	Strand	+
Start	24393	End	24505
Name	OJ991012_16.0204.C5.o6.np	Method	AAT/NAP
Start	24393	End	24505
GI	5922630	Score	188
Exons	24393..24505		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6989	Strand	+
Start	28854	End	30538
Name	OJ991012_16.0204.C5.o8.gs	Method	GENSCAN
Start	28854	End	30538
GI	none	Score	.93
Exons	28854..29198, 30050..30538		
Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6989	Strand	+
Start	28854	End	30538
Name	OJ991012_16.0204.C5.o7.gp	Method	AAT/GAP
Start	28859	End	30149
GI	44523_1.R1084	Score	852
Exons	28859..29198, 30050..30149		
GI Descrip.	'3850579 3.0e-14 (AC005278) Strong similarity to gb_D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb_H37281, gb_T44167, gb_T21813, gb_N38437, gb_Z26470, gb_R65072, gb_N76373, gb_F15470, gb_Z35182, gb_H76373, gb_Z34678 an'		
Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6990	Strand	-
Start	6380	End	7132
Name	OJ991012_16.0204.C5.o2.gp	Method	AAT/GAP
Start	6380	End	7132
GI	none	Score	1320
Exons	6380..7132		
Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6991	Strand	-
Start	9687	End	9902
Name	OJ991012_16.0204.C5.o3.gs	Method	GENSCAN

Start	9687	End	9902
GI	none	Score	.65
Exons	9687..9693, 9823..9902		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6992	Strand	-
Start	11459	End	12189
Name	OJ991012_16.0204.C5.o4.gs	Method	GENSCAN
Start	11459	End	12189
GI	none	Score	.78
Exons	11459..11907, 11974..12071, 12082..12157, 12177..12189		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6993	Strand	-
Start	17267	End	26712
Name	OJ991012_16.0204.C5.o4.gp	Method	AAT/GAP
Start	17098	End	18221
GI	none	Score	1312
Exons	17098..17671, 17974..18048, 18170..18221		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6993	Strand	-
Start	17267	End	26712
Name	OJ991012_16.0204.C5.o7.gs	Method	GENSCAN
Start	17267	End	26712
GI	none	Score	.52
Exons	17267..17671, 17974..18048, 18170..18277, 18354..18446, 18537..18620, 19344..19420, 19574..19647, 19884..19997, 20163..20242, 21208..21336, 21752..22144, 22989..23259, 25023..25175, 25218..25493, 25508..25696, 26606..26712		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6993	Strand	-
Start	17267	End	26712
Name	OJ991012_16.0204.C5.o5.np	Method	AAT/NAP
Start	17276	End	22024
GI	2661615	Score	545
Exons	17276..17692, 18123..18277, 18354..18446, 18537..18620, 19344..19420, 19571..19647, 19884..19997, 20163..20242, 20424..20516, 21208..21336, 21785..22024		
GI Descrip.	(AL009197) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6993	Strand	-
Start	17267	End	26712
Name	OJ991012_16.0204.C5.o5.gp	Method	AAT/GAP
Start	19571	End	21884
GI	33802_1.R1084	Score	1103
Exons	19571..19647, 19884..19997, 20163..20242, 20424..20516, 21208..21336, 21752..21884		
GI Descrip.	'5922630/dbj|BAA84631.1| 8.0e-10 (AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016863_dbj_BAA85206.1_ (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5

Gene No.	6993	Strand	-
Start	17267	End	26712
Name	OJ991012_16.0204.C5.o6.gp	Method	AAT/GAP
Start	24358	End	24802
GI	3761500	Score	756
Exons	24358..24802		
GI Descrip.	5922630/dbj|BAA84631.1| 8.0e-10 (AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016863_dbj_BAA85206.1_ (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o2.tm	Method	TBLASTX:Maize
Start	528	End	13214
GI	none	Score	130
Exons	528..644, 529..645, 538..648, 639..779, 643..780, 3501..3599, 3502..3603, 3654..3782, 3655..3768, 3755..3781, 12939..13040, 12959..13030, 13059..13205, 13061..13144, 13157..13213, 13158..13214		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o1.tw	Method	TBLASTX:Wheat
Start	529	End	13358
GI	none	Score	403
Exons	529..924, 531..605, 538..660, 651..809, 739..852, 3466..3600, 3528..3599, 3654..3860, 3655..3897, 12933..13031, 12950..13039, 13062..13205, 13082..13132, 13173..13358, 13175..13291, 13242..13328		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	535	End	13915
GI	none	Score	87
Exons	535..600, 643..714, 739..942, 982..1134, 993..1136, 1189..1479, 1221..1286, 1407..1478, 3538..3603, 3640..3717, 3733..3954, 3741..3860, 3946..4056, 3954..4052, 4051..4149, 4147..4452, 4164..4250, 4353..4451, 12968..13054, 12969..13055, 13157..13291, 13158..13370, 13251..13364, 13374..13484, 13412..13483, 13467..13517, 13584..13793, 13791..13889, 13793..13915		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o2.tc	Method	TBLASTX:Cress
Start	733	End	13502
GI	none	Score	122
Exons	733..885, 744..809, 982..1047, 3720..3812, 3721..3888, 3955..4071, 13082..13249, 13092..13319, 13377..13502		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	781	End	13616
GI	none	Score	169
Exons	781..936, 982..1056, 993..1055, 3783..3863, 3784..3939, 3954..4070, 3955..4071, 4120..4182, 13215..13382, 13248..13370, 13374..13571, 13412..13585, 13425..13604, 13569..13616, 13569..13616		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o3.tc	Method	TBLASTX:Cress
Start	1189	End	13910
GI	none	Score	188
Exons	1189..1392, 1390..1503, 4147..4365, 13590..13910		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o3.tm	Method	TBLASTX:Maize
Start	1237	End	13889
GI	none	Score	257
Exons	1237..1479, 1242..1292, 1306..1476, 4210..4452, 4222..4335, 4332..4448, 13644..13787, 13800..13889		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o5.tm	Method	TBLASTX:Maize
Start	18378	End	19607
GI	none	Score	71
Exons	18378..18449, 18378..18461, 18379..18462, 18386..18463, 18532..18618, 18536..18625, 18537..18626, 19341..19418, 19341..19421, 19345..19422, 19345..19422, 19346..19423, 19566..19604, 19569..19607		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o3.ts	Method	TBLASTX:Soybean
Start	19596	End	20478
GI	none	Score	128
Exons	19596..19649, 19744..19860, 19883..19999, 19890..20021, 20156..20242, 20162..20245, 20424..20477, 20425..20478		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o6.tm	Method	TBLASTX:Maize
Start	19884	End	21331
GI	none	Score	191
Exons	19884..19997, 19886..19999, 19887..20021, 20156..20275, 20162..20245, 20164..20265, 20382..20519, 20424..20519, 20425..20520, 21208..21330, 21209..21331		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o4.ts	Method	TBLASTX:Soybean
Start	21208	End	21342
GI	none	Score	159
Exons	21208..21342, 21209..21337		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o1.tc	Method	TBLASTX:Cress
Start	30050	End	30556
GI	none	Score	217
Exons	30050..30280, 30293..30556, 30304..30525		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o2.ts	Method	TBLASTX:Soybean
Start	30167	End	30541
GI	none	Score	137
Exons	30167..30268, 30217..30258, 30287..30541, 30304..30525		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o4.tm	Method	TBLASTX:Maize
Start	30313	End	30541
GI	none	Score	233
Exons	30313..30525, 30314..30541		

Seq. No.	3294	Seq. ID	OJ991012_16.0204.C5
Gene No.	6994	Strand	-
Start	33027	End	33560
Name	OJ991012_16.0204.C5.o9.gs	Method	GENSCAN
Start	33027	End	33560
GI	none	Score	.97
Exons	33027..33560		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o1.gs	Method	GENSCAN
Start	684	End	3053
GI	none	Score	.54
Exons	684..1331, 1383..2219, 2244..2568, 2920..3053		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o3.tw	Method	TBLASTX:Wheat
Start	990	End	1391
GI	none	Score	93
Exons	990..1142, 1009..1128, 1125..1376, 1133..1375, 1134..1391, 1136..1378, 1144..1386		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o1.ts	Method	TBLASTX:Soybean
Start	1307	End	1736
GI	none	Score	98
Exons	1307..1390, 1308..1382, 1383..1445, 1440..1736, 1472..1723		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o1.tc	Method	TBLASTX:Cress
Start	1469	End	1799
GI	none	Score	244
Exons	1469..1621, 1476..1799, 1679..1798		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o1.np	Method	AAT/NAP
Start	1497	End	3073
GI	6742729	Score	2390
Exons	1497..3073		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o2.tw	Method	TBLASTX:Wheat
Start	1605	End	2074
GI	none	Score	73
Exons	1605..1661, 1613..1657, 1659..1763, 1673..1759, 1767..1865, 1772..1864, 1775..1867, 1845..2069, 1865..2074, 1868..2074		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o1.tm	Method	TBLASTX:Maize
Start	1650	End	2108
GI	none	Score	199
Exons	1650..1904, 1677..1904, 1914..2108		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o2.ts	Method	TBLASTX:Soybean
Start	1938	End	2180
GI	none	Score	195
Exons	1938..2180		

Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o4.tw	Method	TBLASTX:Wheat
Start	2222	End	2615
GI	none	Score	48

Exons	2222..2257, 2260..2328, 2275..2328, 2280..2342, 2324..2455, 2327..2461, 2334..2501, 2334..2501, 2530..2607, 2534..2605, 2535..2615		
Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o1.tw	Method	TBLASTX:Wheat
Start	2616	End	3073
GI	none	Score	584
Exons	2616..2801, 2621..3073, 2622..3071		
Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o2.tm	Method	TBLASTX:Maize
Start	2664	End	2978
GI	none	Score	289
Exons	2664..2978, 2675..2950		
Seq. No.	3295	Seq. ID	OJ991012_16.0204.C6
Gene No.	6995	Strand	+
Start	684	End	3073
Name	OJ991012_16.0204.C6.o2.tc	Method	TBLASTX:Cress
Start	2909	End	3073
GI	none	Score	101
Exons	2909..3052, 2909..3073, 2913..3071		
Seq. No.	3296	Seq. ID	OJ991012_16.0204.C7
Gene No.	6996	Strand	-
Start	166	End	2450
Name	OJ991012_16.0204.C7.o1.gs	Method	GENSCAN
Start	166	End	2450
GI	none	Score	.44
Exons	166..294, 558..1193, 1936..2007, 2355..2450		
Seq. No.	3297	Seq. ID	OJ991012_16.0204.C8
Gene No.	6997	Strand	+
Start	375	End	540
Name	OJ991012_16.0204.C8.o1.gs	Method	GENSCAN
Start	375	End	540
GI	none	Score	.61
Exons	375..540		
Seq. No.	3297	Seq. ID	OJ991012_16.0204.C8
Gene No.	6998	Strand	-
Start	2365	End	3807
Name	OJ991012_16.0204.C8.o2.gs	Method	GENSCAN
Start	2365	End	3807
GI	none	Score	.6
Exons	2365..2619, 3010..3166, 3563..3807		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	6999	Strand	+
Start	40	End	783
Name	OJ991012_16.0204.C9.o1.gs	Method	GENSCAN
Start	40	End	783

GI	none	Score	.76
Exons	40..198, 542..610, 730..783		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7000	Strand	+
Start	7781	End	11626
Name	OJ991012_16.0204.C9.o1.np	Method	AAT/NAP
Start	7781	End	11585
GI	3320104	Score	1717
Exons	7781..7839, 8380..8590, 8623..9282, 9959..10102, 10211..10363, 10435..10550, 10637..10804, 11187..11411, 11505..11585		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7000	Strand	+
Start	7781	End	11626
Name	OJ991012_16.0204.C9.o1.gp	Method	AAT/GAP
Start	11161	End	11626
GI	428224	Score	550
Exons	11161..11411, 11505..11626		
GI Descrip.	1899175/gb|AAB49984.1| 1.0e-42 (U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7001	Strand	-
Start	1599	End	2759
Name	OJ991012_16.0204.C9.o2.gs	Method	GENSCAN
Start	1599	End	2759
GI	none	Score	.63
Exons	1599..1682, 1887..2178, 2311..2459, 2559..2759		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o1.tc	Method	TBLASTX:Cress
Start	8742	End	11566
GI	none	Score	684
Exons	8742..9290, 8825..9295, 8868..9323, 9182..9304, 9961..10098, 9972..10100, 9974..10111, 10188..10364, 10198..10365, 10198..10383, 10432..10542, 10436..10561, 10437..10562, 10630..10671, 10637..10810, 10637..10810, 11187..11408, 11210..11410, 11225..11371, 11489..11554, 11502..11555, 11504..11566		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o1.ts	Method	TBLASTX:Soybean
Start	8781	End	11573
GI	none	Score	611
Exons	8781..9290, 8825..9295, 9958..10098, 9972..10100, 9975..10100, 10188..10349, 10198..10365, 10436..10561, 10437..10562, 10629..10805, 10630..10806, 10631..10810, 10637..10810, 11185..11256, 11187..11411, 11187..11411, 11311..11412, 11504..11566, 11505..11573		
Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9

Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o3.tm	Method	TBLASTX:Maize
Start	8781	End	8960
GI	none	Score	190
Exons	8781..8960, 8818..8925, 8868..8954		

Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o1.tw	Method	TBLASTX:Wheat
Start	8950	End	9233
GI	none	Score	101
Exons	8950..9213, 8963..9232, 8964..9233		

Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o1.tm	Method	TBLASTX:Maize
Start	8963	End	11249
GI	none	Score	56
Exons	8963..9016, 8964..8993, 9003..9101, 9015..9074, 9096..9113, 9099..9290, 9119..9283, 9958..10098, 9972..10100, 10188..10364, 10198..10365, 10207..10368, 10432..10569, 10436..10603, 10437..10562, 10631..10810, 10632..10805, 10637..10810, 11187..11249		

Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o3.tw	Method	TBLASTX:Wheat
Start	9234	End	10384
GI	none	Score	84
Exons	9234..9284, 9236..9283, 9957..10100, 9958..10098, 10043..10102, 10188..10361, 10198..10371, 10198..10371, 10217..10384		

Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o2.tw	Method	TBLASTX:Wheat
Start	10715	End	11576
GI	none	Score	106
Exons	10715..10810, 10729..10785, 11184..11234, 11187..11411, 11190..11420, 11504..11575, 11505..11576		

Seq. No.	3298	Seq. ID	OJ991012_16.0204.C9
Gene No.	7002	Strand	
Start	8742	End	11623
Name	OJ991012_16.0204.C9.o2.tm	Method	TBLASTX:Maize
Start	11250	End	11623
GI	none	Score	227
Exons	11250..11411, 11250..11417, 11251..11412, 11502..11543, 11504..11599, 11505..11606, 11564..11623, 11599..11622		

Seq. No.	3299	Seq. ID	OJ991012_16.0204.C10
Gene No.	7003	Strand	-
Start	926	End	4027

Name	OJ991012_16.0204.C10.o1.gs	Method	GENSCAN
Start	926	End	4027
GI	none	Score	.52
Exons	926..1246, 1796..1930, 2063..2807, 3881..4027		

Seq. No.	3299	Seq. ID	OJ991012_16.0204.C10
Gene No.	7004	Strand	-
Start	5166	End	5226
Name	OJ991012_16.0204.C10.o1.gp	Method	AAT/GAP
Start	5166	End	5226
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	5166..5226		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3300	Seq. ID	OJ991012_16.0204.C11
Gene No.	7005	Strand	+
Start	197	End	1319
Name	OJ991012_16.0204.C11.o1.gs	Method	GENSCAN
Start	197	End	1319
GI	none	Score	.46
Exons	197..276, 839..1319		

Seq. No.	3300	Seq. ID	OJ991012_16.0204.C11
Gene No.	7006	Strand	-
Start	1	End	212
Name	OJ991012_16.0204.C11.o1.np	Method	AAT/NAP
Start	1	End	212
GI	4584539	Score	75
Exons	1..212		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	3301	Seq. ID	OJ991012_16.0204.C12
Gene No.	7007	Strand	+
Start	76	End	5139
Name	OJ991012_16.0204.C12.o1.gs	Method	GENSCAN
Start	76	End	5139
GI	none	Score	.77
Exons	76..158, 1292..1420, 1866..1972, 2176..2319, 2445..2552, 2623..2879, 3556..3727, 3887..3985, 4724..4954, 5134..5139		

Seq. No.	3301	Seq. ID	OJ991012_16.0204.C12
Gene No.	7008	Strand	-
Start	1886	End	2013
Name	OJ991012_16.0204.C12.o1.gp	Method	AAT/GAP
Start	1886	End	2013
GI	none	Score	223
Exons	1886..2013		

Seq. No.	3301	Seq. ID	OJ991012_16.0204.C12
Gene No.	7009	Strand	
Start	3596	End	4968
Name	OJ991012_16.0204.C12.o1.tm	Method	TBLASTX:Maize
Start	3596	End	4968
GI	none	Score	124
Exons	3596..3694, 3815..3922, 3819..3914, 4721..4867, 4722..4955,		

4730..4954, 4756..4968

Seq. No.	3301	Seq. ID	OJ991012_16.0204.C12
Gene No.	7009	Strand	
Start	3596	End	4968
Name	OJ991012_16.0204.C12.o1.ts	Method	TBLASTX:Soybean
Start	3815	End	4921
GI	none	Score	121
Exons	3815..3922, 3816..3914, 4729..4815, 4730..4921		

Seq. No.	3301	Seq. ID	OJ991012_16.0204.C12
Gene No.	7009	Strand	
Start	3596	End	4968
Name	OJ991012_16.0204.C12.o1.tc	Method	TBLASTX:Cress
Start	3816	End	4954
GI	none	Score	124
Exons	3816..3914, 3818..3922, 4729..4809, 4730..4954		

Seq. No.	3302	Seq. ID	OJ991122_12.0229.C1
Gene No.	7010	Strand	+
Start	1	End	554
Name	OJ991122_12.0229.C1.o1.np	Method	AAT/NAP
Start	1	End	311
GI	6642658	Score	365
Exons	1..311		
GI Descrip.	(AC012395) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3302	Seq. ID	OJ991122_12.0229.C1
Gene No.	7010	Strand	+
Start	1	End	554
Name	OJ991122_12.0229.C1.o1.tc	Method	TBLASTX:Cress
Start	3	End	323
GI	none	Score	344
Exons	3..311, 4..228, 5..310, 24..323		

Seq. No.	3302	Seq. ID	OJ991122_12.0229.C1
Gene No.	7010	Strand	+
Start	1	End	554
Name	OJ991122_12.0229.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	313
GI	none	Score	495
Exons	3..311, 5..310, 8..313		

Seq. No.	3302	Seq. ID	OJ991122_12.0229.C1
Gene No.	7010	Strand	+
Start	1	End	554
Name	OJ991122_12.0229.C1.o1.ts	Method	TBLASTX:Soybean
Start	3	End	313
GI	none	Score	469
Exons	3..311, 5..310, 8..313		

Seq. No.	3302	Seq. ID	OJ991122_12.0229.C1
Gene No.	7010	Strand	+
Start	1	End	554
Name	OJ991122_12.0229.C1.o1.tw	Method	TBLASTX:Wheat
Start	12	End	315
GI	none	Score	333

Exons	12..311, 35..310, 95..313, 124..315		
Seq. No.	3302	Seq. ID	OJ991122_12.0229.C1
Gene No.	7010	Strand	+
Start	1	End	554
Name	OJ991122_12.0229.C1.o1.gp	Method	AAT/GAP
Start	101	End	554
GI	3107858	Score	315
Exons	101..312, 527..554		
GI Descrip.	4510406/gb|AAD21493.1| 1.0e-51 (AC006587) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	3303	Seq. ID	OJ991122_12.0229.C2
Gene No.	7011	Strand	-
Start	820	End	1329
Name	OJ991122_12.0229.C2.o1.gs	Method	GENSCAN
Start	820	End	1101
GI	none	Score	.83
Exons	820..1101		
Seq. No.	3303	Seq. ID	OJ991122_12.0229.C2
Gene No.	7011	Strand	-
Start	820	End	1329
Name	OJ991122_12.0229.C2.o1.np	Method	AAT/NAP
Start	823	End	1329
GI	2498779	Score	353
Exons	823..1101, 1246..1329		
GI Descrip.	PIR7B PROTEIN gi|629801|pir||S47087 pir7b protein - rice gi|498745|emb|CAA84026| (Z34271) Pir7b [Oryza sativa]		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7012	Strand	+
Start	867	End	1243
Name	OJ991122_12.0229.C3.o1.gp	Method	AAT/GAP
Start	867	End	1243
GI	63118_1.R1084	Score	729
Exons	867..1243		
GI Descrip.	'2498778/sp|Q40708|PI7A_ORYSA 2.0e-36 PIR7A PROTEIN >gi_629799_pir__S47086 pir7a protein - rice >gi_498744_emb_CAA84025_ (Z34271) Pir7a [Oryza sativa]'		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7013	Strand	+
Start	5615	End	7023
Name	OJ991122_12.0229.C3.o3.gs	Method	GENSCAN
Start	5615	End	7023
GI	none	Score	.75
Exons	5615..5659, 5698..5769, 6012..6225, 6370..6485, 6517..6735, 6793..7023		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7014	Strand	+
Start	7776	End	8357
Name	OJ991122_12.0229.C3.o4.gs	Method	GENSCAN
Start	7776	End	8357
GI	none	Score	.51
Exons	7776..7778, 8280..8357		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7015	Strand	+
Start	18268	End	18370
Name	OJ991122_12.0229.C3.o4.gp	Method	AAT/GAP
Start	18268	End	18370
GI	77434_1.R1084	Score	83
Exons	18268..18370		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o7.np	Method	AAT/NAP
Start	1	End	17782
GI	4204303	Score	660
Exons	1..162, 10703..10790, 11216..11633, 13084..13114, 17647..17782		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o1.gs	Method	GENSCAN
Start	894	End	2086
GI	none	Score	.78
Exons	894..944, 1227..1373, 1721..2086		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o1.np	Method	AAT/NAP
Start	1095	End	2077
GI	2498778	Score	755
Exons	1095..1373, 1494..1654, 1735..2077		
GI Descrip.	PIR7A PROTEIN gi|629799|pir||S47086 pir7a protein - rice gi|498744|emb|CAA84025| (Z34271) Pir7a [Oryza sativa]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o3.np	Method	AAT/NAP
Start	1095	End	2068
GI	629800	Score	818
Exons	1095..1373, 1494..1640, 1721..2068		
GI Descrip.	pir7b protein - rice gi|498747|emb|CAA84024| (Z34270) Pir7b [Oryza sativa]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o4.np	Method	AAT/NAP
Start	1095	End	2086
GI	2498779	Score	836
Exons	1095..1373, 1494..1640, 1721..2086		
GI Descrip.	PIR7B PROTEIN gi|629801|pir||S47087 pir7b protein - rice		

gi|498745|emb|CAA84026| (Z34271) Pir7b [Oryza sativa]

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o2.gp	Method	AAT/GAP
Start	2715	End	4378
GI	498746	Score	1833
Exons	2715..3164, 3386..3526, 4017..4378		
GI Descrip.	629800/pir||S47085 1.0e-132 pir7b protein - rice >gi_498747_emb_CAA84024_ (Z34270) Pir7b [Oryza sativa]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o2.gs	Method	GENSCAN
Start	2877	End	4394
GI	none	Score	.71
Exons	2877..3164, 4017..4394		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o5.np	Method	AAT/NAP
Start	2880	End	4394
GI	2498779	Score	1322
Exons	2880..3164, 3386..3526, 4017..4394		
GI Descrip.	PIR7B PROTEIN gi|629801|pir||S47087 pir7b protein - rice gi|498745|emb|CAA84026| (Z34271) Pir7b [Oryza sativa]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o6.np	Method	AAT/NAP
Start	5901	End	6873
GI	2498778	Score	1287
Exons	5901..6185, 6258..6395, 6508..6873		
GI Descrip.	PIR7A PROTEIN gi|629799|pir||S47086 pir7a protein - rice gi|498744|emb|CAA84025| (Z34271) Pir7a [Oryza sativa]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o3.gp	Method	AAT/GAP
Start	6343	End	6892
GI	2427730	Score	791
Exons	6343..6395, 6508..6892		
GI Descrip.	2498778/sp|Q40708|PI7A_ORYSA 2.0e-36 PIR7A PROTEIN >gi_629799_pir__S47086 pir7a protein - rice >gi_498744_emb_CAA84025_ (Z34271) Pir7a [Oryza sativa]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7016	Strand	-
Start	1	End	17782
Name	OJ991122_12.0229.C3.o5.gs	Method	GENSCAN
Start	9962	End	13267
GI	none	Score	.85

Exons	9962..10790, 11216..11633, 13084..13267		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o2.ts	Method	TBLASTX:Soybean
Start	1500	End	6859
GI	none	Score	210
Exons	1500..1565, 1781..2062, 1785..2060, 4038..4163, 4093..4146, 4194..4373, 4207..4368, 6508..6858, 6539..6631, 6589..6708, 6803..6859		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o2.tw	Method	TBLASTX:Wheat
Start	1736	End	6825
GI	none	Score	152
Exons	1736..1927, 1751..1927, 1905..2030, 1922..2029, 4035..4166, 4036..4140, 4161..4235, 4169..4204, 4191..4235, 4231..4338, 6526..6723, 6527..6718, 6718..6825, 6784..6825		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o2.tc	Method	TBLASTX:Cress
Start	1781	End	6858
GI	none	Score	100
Exons	1781..1930, 1782..1910, 1931..2119, 1947..2060, 4053..4163, 4054..4146, 4194..4238, 4239..4373, 4255..4368, 6542..6631, 6544..6720, 6724..6858, 6803..6856		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o3.tm	Method	TBLASTX:Maize
Start	1799	End	6843
GI	none	Score	139
Exons	1799..1948, 1800..1949, 1934..2047, 1935..2048, 1940..2050, 4104..4166, 4105..4146, 4176..4235, 4191..4256, 4242..4406, 4243..4356, 6595..6708, 6649..6744, 6730..6843, 6784..6840		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o1.tc	Method	TBLASTX:Cress
Start	10736	End	11634
GI	none	Score	114
Exons	10736..10816, 11215..11322, 11216..11323, 11318..11437, 11320..11445, 11482..11556, 11492..11515, 11525..11554, 11551..11634, 11552..11632		
Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o1.tm	Method	TBLASTX:Maize
Start	10748	End	11638

GI	none	Score	352
Exons	10748..10816, 11183..11455, 11215..11454, 11482..11637, 11492..11638		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o1.ts	Method	TBLASTX:Soybean
Start	11236	End	11592
GI	none	Score	212
Exons	11236..11448, 11237..11428, 11482..11592, 11492..11590		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o8.np	Method	AAT/NAP
Start	19924	End	20406
GI	2244810	Score	318
Exons	19924..20406		
GI Descrip.	(Z97336) CCAAT-binding transcription factor subunit A(CBF-A) [Arabidopsis thaliana]		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o2.tm	Method	TBLASTX:Maize
Start	20071	End	20344
GI	none	Score	162
Exons	20071..20343, 20084..20344		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o3.tc	Method	TBLASTX:Cress
Start	20071	End	20344
GI	none	Score	206
Exons	20071..20343, 20087..20344		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o3.ts	Method	TBLASTX:Soybean
Start	20071	End	20344
GI	none	Score	207
Exons	20071..20343, 20084..20344, 20207..20344		

Seq. No.	3304	Seq. ID	OJ991122_12.0229.C3
Gene No.	7017	Strand	-
Start	19924	End	20406
Name	OJ991122_12.0229.C3.o1.tw	Method	TBLASTX:Wheat
Start	20077	End	20344
GI	none	Score	149
Exons	20077..20343, 20084..20344, 20207..20344		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7018	Strand	+
Start	2878	End	6534

Name	OJ991122_12.0229.C5.o3.np	Method	AAT/NAP
Start	2878	End	6534
GI	5042454	Score	3966
Exons	2878..3017, 3348..3454, 3510..5221, 5862..6534		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7019	Strand	-
Start	1137	End	3451
Name	OJ991122_12.0229.C5.o1.gs	Method	GENSCAN
Start	1137	End	1670
GI	none	Score	.98
Exons	1137..1670		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7019	Strand	-
Start	1137	End	3451
Name	OJ991122_12.0229.C5.o1.np	Method	AAT/NAP
Start	1241	End	1733
GI	3738293	Score	398
Exons	1241..1733		
GI Descrip.	(AC005309) putative CCAAT-box binding trancription factor [Arabidopsis thaliana]		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7019	Strand	-
Start	1137	End	3451
Name	OJ991122_12.0229.C5.o1.gp	Method	AAT/GAP
Start	1329	End	1758
GI	LIB3434-023-P1-K1-B3	Score	804
Exons	1329..1758		
GI Descrip.	'3738293 3.0e-35 (AC005309) putative CCAAT-binding transcription factor subunit A (CBF-A) [Arabidopsis thaliana]'		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7019	Strand	-
Start	1137	End	3451
Name	OJ991122_12.0229.C5.o2.np	Method	AAT/NAP
Start	1392	End	3451
GI	5922623	Score	289
Exons	1392..1413, 2606..2681, 2849..2996, 3371..3451		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o1.tc	Method	TBLASTX:Cress
Start	1290	End	1575
GI	none	Score	288
Exons	1290..1574, 1333..1575		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o1.tm	Method	TBLASTX:Maize

Start	1290	End	1574
GI	none	Score	243
Exons	1290..1574, 1309..1572		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1592
GI	none	Score	260
Exons	1290..1514, 1309..1518, 1515..1592, 1516..1578		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o1.tw	Method	TBLASTX:Wheat
Start	1299	End	1577
GI	none	Score	239
Exons	1299..1577, 1309..1575		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o2.tw	Method	TBLASTX:Wheat
Start	4182	End	4574
GI	none	Score	58
Exons	4182..4229, 4236..4334, 4253..4333, 4301..4462, 4317..4574		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o2.tm	Method	TBLASTX:Maize
Start	4187	End	4472
GI	none	Score	193
Exons	4187..4471, 4224..4472		

Seq. No.	3305	Seq. ID	OJ991122_12.0229.C5
Gene No.	7020	Strand	-
Start	5691	End	7127
Name	OJ991122_12.0229.C5.o4.np	Method	AAT/NAP
Start	5691	End	7127
GI	5922623	Score	53
Exons	5691..5721, 6905..6983, 7090..7127		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3306	Seq. ID	OJ991122_12.0229.C6
Gene No.	7021	Strand	+
Start	42	End	2084
Name	OJ991122_12.0229.C6.o1.np	Method	AAT/NAP
Start	42	End	639
GI	5042454	Score	205
Exons	42..181, 512..639		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3306	Seq. ID	OJ991122_12.0229.C6

Gene No.	7021	Strand	+
Start	42	End	2084
Name	OJ991122_12.0229.C6.o1.gs	Method	GENSCAN
Start	100	End	2084
GI	none	Score	.73
Exons	100..177, 409..582, 840..888, 1993..2084		

Seq. No.	3307	Seq. ID	OJ991122_12.0229.C8
Gene No.	7022	Strand	+
Start	5607	End	7370
Name	OJ991122_12.0229.C8.o2.gs	Method	GENSCAN
Start	5607	End	7370
GI	none	Score	.71
Exons	5607..5673, 5894..6004, 6075..6114, 6235..6340, 7209..7370		

Seq. No.	3307	Seq. ID	OJ991122_12.0229.C8
Gene No.	7023	Strand	-
Start	676	End	4087
Name	OJ991122_12.0229.C8.o1.gs	Method	GENSCAN
Start	676	End	4087
GI	none	Score	.57
Exons	676..725, 1865..1913, 3301..3414, 3506..3518, 3762..3868, 4025..4087		

Seq. No.	3307	Seq. ID	OJ991122_12.0229.C8
Gene No.	7023	Strand	-
Start	676	End	4087
Name	OJ991122_12.0229.C8.o1.np	Method	AAT/NAP
Start	2246	End	3671
GI	5852084	Score	80
Exons	2246..2329, 3647..3671		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	3307	Seq. ID	OJ991122_12.0229.C8
Gene No.	7023	Strand	-
Start	676	End	4087
Name	OJ991122_12.0229.C8.o2.np	Method	AAT/NAP
Start	3529	End	4019
GI	6815109	Score	137
Exons	3529..4019		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7024	Strand	+
Start	1076	End	6248
Name	OJ991122_12.0229.C9.o1.gs	Method	GENSCAN
Start	1076	End	6248
GI	none	Score	.5
Exons	1076..1251, 1702..1840, 2577..2929, 3756..3899, 3999..4092, 4671..4856, 5089..5274, 5361..5447, 5990..6076, 6162..6248		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7024	Strand	+
Start	1076	End	6248
Name	OJ991122_12.0229.C9.o1.gp	Method	AAT/GAP
Start	5990	End	6208
GI	3107786	Score	205

Exons	5990..6076, 6162..6208		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7025	Strand	+
Start	7467	End	7902
Name	OJ991122_12.0229.C9.o2.gp	Method	AAT/GAP
Start	7467	End	7902
GI	uC-osroM202001e01a1	Score	848
Exons	7467..7902		
GI Descrip.	'1161167 2.0e-24 (L42466) ethylene-forming enzyme [Picea glauca]'		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7026	Strand	+
Start	9293	End	10159
Name	OJ991122_12.0229.C9.o3.gs	Method	GENSCAN
Start	9293	End	10159
GI	none	Score	.77
Exons	9293..9394, 9983..10159		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7027	Strand	+
Start	11492	End	16984
Name	OJ991122_12.0229.C9.o4.gp	Method	AAT/GAP
Start	11444	End	13036
GI	uC-osf1cyp055e02b1	Score	682
Exons	11444..11533, 12539..12776, 12994..13036		
GI Descrip.	'2384675 8.0e-33 (AF012659) putative potassium transporter AtKT4p [Arabidopsis thaliana]'		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7027	Strand	+
Start	11492	End	16984
Name	OJ991122_12.0229.C9.o4.gs	Method	GENSCAN
Start	11492	End	16984
GI	none	Score	.57
Exons	11492..11533, 12539..12776, 12994..13242, 13349..13399, 14352..14404, 15043..15334, 15461..16480, 16566..16605, 16690..16729, 16877..16984		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7027	Strand	+
Start	11492	End	16984
Name	OJ991122_12.0229.C9.o2.np	Method	AAT/NAP
Start	11780	End	16545
GI	6513926	Score	2414
Exons	11780..11849, 12556..12776, 12994..13242, 13349..13399, 13974..14234, 14352..14404, 14883..14997, 15080..15334, 15461..16545		
GI Descrip.	(AC011664) putative potassium transporter [Arabidopsis thaliana]		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7028	Strand	+
Start	22606	End	29520
Name	OJ991122_12.0229.C9.o6.gs	Method	GENSCAN
Start	22606	End	29235
GI	none	Score	.43

Exons	22606..22750, 22887..22987, 23271..23391, 23462..23687, 24281..24373, 25008..25180, 25894..25992, 26270..26367, 26599..26807, 27127..27406, 27496..27567, 28756..28872, 29119..29235		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7028	Strand	+
Start	22606	End	29520
Name	OJ991122_12.0229.C9.o5.gp	Method	AAT/GAP
Start	24820	End	27170
GI	2427494	Score	675
Exons	24820..24932, 25381..25442, 26599..26807, 27127..27170		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7028	Strand	+
Start	22606	End	29520
Name	OJ991122_12.0229.C9.o6.gp	Method	AAT/GAP
Start	27185	End	29520
GI	14988_1.R1084	Score	1648
Exons	27185..27406, 27496..27567, 28756..28872, 28969..29034, 29119..29520		
GI Descrip.	'82263/pir||S20014 4.0e-98 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)3II) - potato'		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7029	Strand	+
Start	31487	End	32340
Name	OJ991122_12.0229.C9.o8.gs	Method	GENSCAN
Start	31487	End	32340
GI	none	Score	.63
Exons	31487..31491, 31530..31738, 31800..32198, 32291..32340		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7030	Strand	-
Start	7575	End	9136
Name	OJ991122_12.0229.C9.o2.gs	Method	GENSCAN
Start	7575	End	9099
GI	none	Score	1
Exons	7575..8145, 8372..8619, 8818..9099		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7030	Strand	-
Start	7575	End	9136
Name	OJ991122_12.0229.C9.o1.np	Method	AAT/NAP
Start	7578	End	8907
GI	1161167	Score	638
Exons	7578..8145, 8372..8619, 8818..8907		
GI Descrip.	(L42466) ethylene-forming enzyme [Picea glauca]		
Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7030	Strand	-
Start	7575	End	9136
Name	OJ991122_12.0229.C9.o3.gp	Method	AAT/GAP
Start	8435	End	9136
GI	54240_1.R1084	Score	951
Exons	8435..8619, 8818..9136		
GI Descrip.	'4454019/emb|CAA23072| 6.0e-16 (AL035396) SRG1-like protein		

[Arabidopsis thaliana]'

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o4.tm	Method	TBLASTX:Maize
Start	3736	End	6349
GI	none	Score	128
Exons	3736..3849, 3771..3848, 3848..3907, 3849..3905, 3850..3933, 3864..3932, 3991..4104, 4003..4092, 4556..4651, 4669..4821, 4670..4858, 4671..4859, 4957..5016, 4966..4989, 5131..5277, 5135..5275, 5142..5276, 5361..5447, 5967..6074, 5987..6079, 6155..6202, 6156..6212, 6215..6349, 6221..6349		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o3.tc	Method	TBLASTX:Cress
Start	7542	End	8994
GI	none	Score	101
Exons	7542..7895, 7884..8033, 7906..8034, 8371..8655, 8809..8871, 8947..8994		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o1.tw	Method	TBLASTX:Wheat
Start	7578	End	7823
GI	none	Score	42
Exons	7578..7625, 7578..7817, 7579..7785, 7683..7823		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o5.ts	Method	TBLASTX:Soybean
Start	7578	End	8138
GI	none	Score	93
Exons	7578..7895, 7884..8138, 7903..8040		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o8.tm	Method	TBLASTX:Maize
Start	7580	End	8144
GI	none	Score	37
Exons	7580..7615, 7581..7889, 7686..7823, 7878..8000, 7900..8001, 7978..8037, 7992..8036, 8064..8144		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o3.tw	Method	TBLASTX:Wheat
Start	7827	End	8138
GI	none	Score	187
Exons	7827..7871, 7872..8138		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9

Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o9.ts	Method	TBLASTX:Soybean
Start	8372	End	9051
GI	none	Score	119
Exons	8372..8488, 8374..8619, 8809..8865, 8950..8991, 9010..9051		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o7.tm	Method	TBLASTX:Maize
Start	8374	End	9063
GI	none	Score	142
Exons	8374..8574, 8381..8488, 8812..8862, 8816..8845, 8878..8958, 8947..8988, 8947..8991, 9010..9063		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o6.tm	Method	TBLASTX:Maize
Start	12524	End	12750
GI	none	Score	329
Exons	12524..12748, 12541..12750, 12542..12748		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o1.tc	Method	TBLASTX:Cress
Start	12541	End	16554
GI	none	Score	95
Exons	12541..12750, 12542..12796, 12565..12639, 12685..12777, 12980..13084, 12993..13088, 13130..13240, 13131..13241, 13976..14236, 14002..14244, 14347..14388, 14348..14410, 14877..14957, 14906..14950, 15069..15293, 15076..15336, 15076..15327, 15090..15335, 15457..16059, 15459..15989, 16312..16548, 16356..16532, 16429..16554		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o10.ts	Method	TBLASTX:Soybean
Start	12563	End	13241
GI	none	Score	288
Exons	12563..12772, 12565..12774, 12683..12775, 12972..13088, 12983..13081, 13059..13241, 13064..13240		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o10.tm	Method	TBLASTX:Maize
Start	12980	End	13228
GI	none	Score	299
Exons	12980..13201, 12993..13202, 13197..13226, 13202..13228		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238

Name	OJ991122_12.0229.C9.o4.tw	Method	TBLASTX:Wheat
Start	12989	End	13389
GI	none	Score	175
Exons	12989..13135, 12993..13190, 13059..13241, 13130..13240, 13133..13246, 13306..13389		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o7.ts	Method	TBLASTX:Soybean
Start	13978	End	14410
GI	none	Score	309
Exons	13978..14244, 13991..14236, 14348..14410		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o3.tm	Method	TBLASTX:Maize
Start	14021	End	15198
GI	none	Score	283
Exons	14021..14104, 14026..14235, 14027..14236, 14028..14234, 14029..14235, 14342..14410, 14347..14406, 14348..14410, 14349..14450, 14350..14463, 14877..14996, 14882..15028, 14887..14997, 15075..15197, 15076..15198		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o4.ts	Method	TBLASTX:Soybean
Start	14868	End	15338
GI	none	Score	112
Exons	14868..14996, 15075..15338, 15076..15336		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o1.tm	Method	TBLASTX:Maize
Start	15198	End	17133
GI	none	Score	186
Exons	15198..15332, 15198..15338, 15199..15336, 15200..15337, 15459..15542, 15459..15788, 15460..15789, 15724..15792, 15784..15813, 15788..15826, 15790..15822, 15812..15868, 15813..16064, 15814..16065, 15814..16068, 15888..16085, 15905..16105, 16082..16189, 16083..16526, 16108..16569, 16113..16262, 16120..16563, 16981..17073, 17107..17133		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o1.ts	Method	TBLASTX:Soybean
Start	15456	End	16056
GI	none	Score	680
Exons	15456..15989, 15457..16056, 15775..16026		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238

Name	OJ991122_12.0229.C9.o3.ts	Method	TBLASTX:Soybean
Start	16144	End	16548
GI	none	Score	98
Exons	16144..16281, 16273..16548, 16356..16547		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o2.tw	Method	TBLASTX:Wheat
Start	16267	End	16548
GI	none	Score	235
Exons	16267..16548, 16300..16542, 16398..16544		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o5.gs	Method	GENSCAN
Start	17598	End	21976
GI	none	Score	.85
Exons	17598..17816, 17908..18084, 18505..18683, 18842..19019, 19628..19891, 20343..20584, 20658..20955, 21665..21821, 21912..21976		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o9.tm	Method	TBLASTX:Maize
Start	17621	End	17968
GI	none	Score	193
Exons	17621..17815, 17629..17817, 17634..17816, 17905..17967, 17909..17968		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o3.np	Method	AAT/NAP
Start	17634	End	30785
GI	4262148	Score	1915
Exons	17634..17816, 17908..18084, 18505..18626, 18791..19019, 19446..19556, 19628..19891, 20343..20584, 20658..20799, 21686..21821, 21912..22039, 22197..22229, 22917..22995, 23366..23521, 25896..25938, 30654..30785		
GI Descrip.	(AC005275) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o8.ts	Method	TBLASTX:Soybean
Start	17634	End	18649
GI	none	Score	106
Exons	17634..17816, 17668..17817, 17881..18081, 17905..18084, 17909..18085, 18505..18648, 18509..18649		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238

Name	OJ991122_12.0229.C9.o4.tc	Method	TBLASTX:Cress
Start	17730	End	18085
GI	none	Score	49
Exons	17730..17816, 17740..17817, 17905..18084, 17909..18085		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o6.ts	Method	TBLASTX:Soybean
Start	18652	End	20441
GI	none	Score	125
Exons	18652..18708, 18804..19010, 18804..19010, 18812..19018, 19440..19556, 19441..19557, 19453..19557, 19598..19912, 19621..19806, 19626..19889, 20340..20441		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o5.tm	Method	TBLASTX:Maize
Start	18658	End	19022
GI	none	Score	81
Exons	18658..18711, 18659..18709, 18795..19019, 18795..19022		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o11.tm	Method	TBLASTX:Maize
Start	19464	End	19758
GI	none	Score	119
Exons	19464..19556, 19465..19557, 19465..19557, 19598..19756, 19621..19758, 19626..19757		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o12.tm	Method	TBLASTX:Maize
Start	19776	End	20483
GI	none	Score	137
Exons	19776..19892, 19782..19892, 19784..19912, 20330..20476, 20340..20483, 20344..20391, 20430..20480		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o11.ts	Method	TBLASTX:Soybean
Start	20658	End	20916
GI	none	Score	69
Exons	20658..20738, 20658..20738, 20659..20886, 20659..20916, 20786..20902		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o2.tm	Method	TBLASTX:Maize
Start	26603	End	29262
GI	none	Score	39
Exons	26603..26647, 26615..26647, 26649..26807, 26656..26808,		

27128..27412, 27140..27406, 27493..27570, 27493..27564,
27494..27565, 28745..28873, 28745..28849, 28752..28871,
28756..28875, 28914..29033, 28936..29037, 28967..29032,
28969..29037, 29114..29242, 29118..29240, 29119..29262,
29120..29257

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o2.ts	Method	TBLASTX:Soybean
Start	26641	End	28818
GI	none	Score	217

Exons 26641..26808, 26646..26813, 26661..26807, 26698..26808,
27127..27402, 27128..27412, 27489..27566, 27493..27570,
27494..27601, 27503..27565, 28755..28817, 28762..28818

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o2.tc	Method	TBLASTX:Cress
Start	26694	End	29232
GI	none	Score	185

Exons 26694..26807, 26695..26808, 27127..27402, 27128..27412,
27493..27606, 27494..27580, 27504..27596, 28751..28873,
28755..28868, 28756..28875, 28766..28921, 28955..29032,
28967..29032, 28968..29033, 28969..29037, 29100..29189,
29115..29204, 29119..29211, 29119..29232

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o7.gp	Method	AAT/GAP
Start	29775	End	30181
GI	3762432	Score	684
Exons	29775..30181		

GI Descrip. 1402888/emb|CAA66819| 7.0e-09 (X98130) unknown [Arabidopsis
thaliana]

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o5.np	Method	AAT/NAP
Start	29924	End	32034
GI	1402888	Score	740

Exons 29924..30161, 30312..30473, 30657..30816, 30905..30979,
31070..31196, 31543..31722, 31861..32034

GI Descrip. (X98130) unknown [Arabidopsis thaliana]

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o7.gs	Method	GENSCAN
Start	29927	End	30998
GI	none	Score	.88

Exons 29927..30178, 30317..30449, 30624..30816, 30905..30998

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9

Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o12.ts	Method	TBLASTX:Soybean
Start	29936	End	30148
GI	5126733	Score	204
Exons	29936..30148		
GI Descrip.	-		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o13.ts	Method	TBLASTX:Soybean
Start	30362	End	31681
GI	none	Score	68
Exons	30362..30433, 30701..30784, 30903..30950, 31068..31199, 31579..31680, 31583..31681		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o13.tm	Method	TBLASTX:Maize
Start	30764	End	31713
GI	none	Score	56
Exons	30764..30817, 30898..30954, 30903..30956, 31020..31199, 31063..31167, 31537..31713, 31541..31696		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o8.gp	Method	AAT/GAP
Start	31513	End	31636
GI	LIB3433-005-Q6-K1-G6	Score	132
Exons	31513..31636		
GI Descrip.	'1402888/emb|CAA66819| 5.0e-17 (X98130) unknown [Arabidopsis thaliana]'		

Seq. No.	3308	Seq. ID	OJ991122_12.0229.C9
Gene No.	7031	Strand	-
Start	17598	End	32238
Name	OJ991122_12.0229.C9.o9.gp	Method	AAT/GAP
Start	31728	End	32238
GI	2431501	Score	645
Exons	31728..31763, 31885..32238		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7032	Strand	+
Start	2042	End	2968
Name	OJ991122_12.0229.C10.o1.gs	Method	GENSCAN
Start	2042	End	2968
GI	none	Score	.7
Exons	2042..2142, 2830..2968		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7033	Strand	+
Start	7534	End	7911
Name	OJ991122_12.0229.C10.o3.gs	Method	GENSCAN
Start	7534	End	7911

GI	none	Score	.98
Exons	7534..7911		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7034	Strand	+
Start	10375	End	16837
Name	OJ991122_12.0229.C10.o4.gs	Method	GENSCAN
Start	10375	End	16837
GI	none	Score	.78
Exons	10375..10497, 10506..10622, 11185..11327, 11565..11652, 11714..11871, 12054..12177, 13506..13593, 14599..14795, 14949..15138, 15341..15565, 15677..15732, 16262..16837		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7034	Strand	+
Start	10375	End	16837
Name	OJ991122_12.0229.C10.o1.np	Method	AAT/NAP
Start	13473	End	16813
GI	6642658	Score	1038
Exons	13473..13624, 14634..14789, 14940..15138, 15341..15732, 16262..16491, 16693..16813		
GI Descrip.	(AC012395) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7034	Strand	+
Start	10375	End	16837
Name	OJ991122_12.0229.C10.o2.gp	Method	AAT/GAP
Start	15522	End	16454
GI	3107858	Score	680
Exons	15522..15732, 16262..16454		
GI Descrip.	4510406/gb|AAD21493.1| 1.0e-51 (AC006587) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7035	Strand	-
Start	3129	End	6373
Name	OJ991122_12.0229.C10.o1.gp	Method	AAT/GAP
Start	3129	End	5361
GI	21604_1.R1084	Score	1872
Exons	3129..3816, 3971..4066, 5140..5361		
GI Descrip.	'3850579 3.0e-14 (AC005278) Strong similarity to gb_D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb_H37281, gb_T44167, gb_T21813, gb_N38437, gb_Z26470, gb_R65072, gb_N76373, gb_F15470, gb_Z35182, gb_H76373, gb_Z34678 an'		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7035	Strand	-
Start	3129	End	6373
Name	OJ991122_12.0229.C10.o2.gs	Method	GENSCAN
Start	3475	End	6373
GI	none	Score	.49
Exons	3475..3654, 3971..4066, 5060..5103, 5449..5656, 5930..6027, 6157..6197, 6363..6373		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-

Start	17431	End	20310
Name	OJ991122_12.0229.C10.o2.tm	Method	TBLASTX:Maize
Start	3420	End	4069
GI	none	Score	45
Exons	3420..3464, 3428..3463, 3469..3687, 3469..3840, 3470..3841, 3470..3844, 3721..3846, 3962..4069, 3984..4061		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o3.ts	Method	TBLASTX:Soybean
Start	3594	End	3766
GI	none	Score	102
Exons	3594..3698, 3595..3765, 3599..3766, 3599..3766		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o5.tm	Method	TBLASTX:Maize
Start	7534	End	7845
GI	none	Score	190
Exons	7534..7734, 7560..7754, 7716..7844, 7717..7845		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o2.ts	Method	TBLASTX:Soybean
Start	7536	End	7845
GI	none	Score	143
Exons	7536..7658, 7540..7683, 7684..7845, 7731..7844		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o3.tc	Method	TBLASTX:Cress
Start	7540	End	7892
GI	none	Score	116
Exons	7540..7704, 7713..7892, 7714..7845		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o1.ts	Method	TBLASTX:Soybean
Start	14646	End	16831
GI	none	Score	175
Exons	14646..14789, 14669..14788, 14936..15133, 14937..15143, 15339..15731, 15340..15732, 15357..15734, 16261..16455, 16262..16456, 16670..16831, 16726..16821		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o1.tc	Method	TBLASTX:Cress
Start	14672	End	16831
GI	none	Score	153
Exons	14672..14788, 14673..14789, 14890..14904, 14937..15143, 14951..15127, 15339..15449, 15339..15503, 15340..15504,		

15498..15593, 15505..15606, 15507..15605, 15645..15722,
15646..15723, 16256..16324, 16303..16335, 16319..16462,
16351..16440, 16727..16831

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o3.tm	Method	TBLASTX:Maize
Start	14679	End	15151
GI	none	Score	185
Exons	14679..14798, 14687..14797, 14913..15140, 14946..15140, 14948..15151, 14950..15141		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o1.tm	Method	TBLASTX:Maize
Start	15272	End	16743
GI	none	Score	647
Exons	15272..15667, 15328..15732, 15339..15734, 15339..15731, 16261..16563, 16262..16564, 16550..16582, 16601..16696, 16602..16727, 16624..16743, 16673..16741		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o1.tw	Method	TBLASTX:Wheat
Start	15364	End	15736
GI	none	Score	90
Exons	15364..15426, 15375..15437, 15433..15732, 15456..15731, 15516..15734, 15545..15736		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o5.gs	Method	GENSCAN
Start	17431	End	20286
GI	none	Score	.8
Exons	17431..17516, 17940..18103, 18257..18345, 18602..18796, 20045..20206, 20284..20286		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o3.gp	Method	AAT/GAP
Start	17729	End	20310
GI	10839_1.R1084	Score	1550
Exons	17729..18103, 18257..18345, 18602..18796, 20045..20206, 20284..20310		
GI Descrip.	'4510406/gb|AAD21493.1| 1.0e-51 (AC006587) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o4.tm	Method	TBLASTX:Maize
Start	17750	End	18797

GI	none	Score	49
Exons	17750..17788, 17751..17783, 17887..18105, 17909..17968, 17924..18130, 17953..18099, 18017..18109, 18257..18346, 18258..18347, 18259..18348, 18271..18348, 18583..18717, 18599..18796, 18600..18797		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o2.tc	Method	TBLASTX:Cress
Start	18599	End	20310
GI	none	Score	91
Exons	18599..18796, 18601..18762, 18651..18797, 20039..20116, 20043..20108, 20103..20207, 20117..20206, 20275..20310		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o2.np	Method	AAT/NAP
Start	18636	End	20106
GI	3881594	Score	92
Exons	18636..18796, 20048..20106		
GI Descrip.	(Z99288) cDNA EST yk665a6.3 comes from this gene [Caenorhabditis elegans]		

Seq. No.	3309	Seq. ID	OJ991122_12.0229.C10
Gene No.	7036	Strand	-
Start	17431	End	20310
Name	OJ991122_12.0229.C10.o6.tm	Method	TBLASTX:Maize
Start	19863	End	20310
GI	none	Score	185
Exons	19863..19961, 20012..20209, 20039..20206, 20062..20208, 20281..20310		

Seq. No.	3310	Seq. ID	OJ991122_12.0229.C11
Gene No.	7037	Strand	+
Start	22	End	351
Name	OJ991122_12.0229.C11.o1.gs	Method	GENSCAN
Start	22	End	351
GI	none	Score	.89
Exons	22..351		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7038	Strand	+
Start	1749	End	2795
Name	OJ991122_12.0229.C12.o1.np	Method	AAT/NAP
Start	1749	End	2795
GI	6907106	Score	426
Exons	1749..2156, 2318..2577, 2650..2795		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7039	Strand	+
Start	4000	End	6919
Name	OJ991122_12.0229.C12.o2.gs	Method	GENSCAN
Start	4000	End	6919

GI	none	Score	.64
Exons	4000..4006, 4767..5033, 5884..6318, 6506..6584, 6791..6867, 6909..6919		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7040	Strand	+
Start	12538	End	13166
Name	OJ991122_12.0229.C12.o6.gp	Method	AAT/GAP
Start	12538	End	13166
GI	none	Score	1161
Exons	12538..13166		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7041	Strand	-
Start	16	End	3249
Name	OJ991122_12.0229.C12.o1.gs	Method	GENSCAN
Start	16	End	3249
GI	none	Score	.44
Exons	16..85, 158..340, 1729..2848, 2892..3026, 3184..3249		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7041	Strand	-
Start	16	End	3249
Name	OJ991122_12.0229.C12.o1.gp	Method	AAT/GAP
Start	81	End	409
GI	none	Score	596
Exons	81..409		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7042	Strand	-
Start	5879	End	6372
Name	OJ991122_12.0229.C12.o4.gp	Method	AAT/GAP
Start	5879	End	6372
GI	none	Score	928
Exons	5879..6372		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7043	Strand	-
Start	7506	End	7830
Name	OJ991122_12.0229.C12.o5.gp	Method	AAT/GAP
Start	7506	End	7830
GI	3761588	Score	580
Exons	7506..7830		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7044	Strand	-
Start	13020	End	17511
Name	OJ991122_12.0229.C12.o3.tm	Method	TBLASTX:Maize
Start	2357	End	2699
GI	none	Score	50
Exons	2357..2404, 2358..2420, 2370..2405, 2404..2457, 2408..2563, 2409..2474, 2528..2587, 2562..2588, 2568..2600, 2639..2698, 2640..2699		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7044	Strand	-
Start	13020	End	17511

Name	OJ991122_12.0229.C12.o2.tm	Method	TBLASTX:Maize
Start	12732	End	14169
GI	none	Score	57
Exons	12732..12827, 12741..12878, 12845..12877, 12873..12899, 12874..12915, 12983..13120, 12988..13128, 12993..13130, 13059..13130, 13210..13251, 13216..13299, 13217..13300, 13269..13301, 13424..13504, 13441..13503, 13443..13505, 13444..13506, 14044..14133, 14045..14134, 14131..14169		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7044	Strand	-
Start	13020	End	17511
Name	OJ991122_12.0229.C12.o3.np	Method	AAT/NAP
Start	13020	End	17388
GI	6688926	Score	300
Exons	13020..13101, 13195..13348, 14064..14150, 14547..14622, 14707..14822, 15430..15511, 16047..16117, 17331..17388		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7044	Strand	-
Start	13020	End	17511
Name	OJ991122_12.0229.C12.o1.tm	Method	TBLASTX:Maize
Start	14179	End	17386
GI	none	Score	116
Exons	14179..14289, 14186..14287, 14227..14295, 14228..14296, 14248..14292, 14297..14344, 14341..14622, 14350..14616, 14453..14620, 14701..14823, 14712..14825, 14713..14823, 14714..14824, 15426..15509, 15431..15514, 15431..15508, 16046..16117, 16047..16136, 16048..16125, 17330..17386, 17332..17379		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7044	Strand	-
Start	13020	End	17511
Name	OJ991122_12.0229.C12.o7.gp	Method	AAT/GAP
Start	14706	End	17511
GI	32228_1.R1084	Score	812
Exons	14706..14822, 15430..15511, 16047..16117, 17331..17511		
GI Descrip.	'3063471 4.0e-29 (AC003981) F22O13.33 [Arabidopsis thaliana]'		

Seq. No.	3311	Seq. ID	OJ991122_12.0229.C12
Gene No.	7044	Strand	-
Start	13020	End	17511
Name	OJ991122_12.0229.C12.o4.gs	Method	GENSCAN
Start	15864	End	17379
GI	none	Score	.89
Exons	15864..15931, 17331..17379		

Seq. No.	3312	Seq. ID	OJ991122_12.0229.C13
Gene No.	7045	Strand	-
Start	4392	End	6039
Name	OJ991122_12.0229.C13.o2.gs	Method	GENSCAN
Start	4392	End	5666
GI	none	Score	.98
Exons	4392..5666		

Seq. No.	3312	Seq. ID	OJ991122_12.0229.C13
Gene No.	7045	Strand	-
Start	4392	End	6039
Name	OJ991122_12.0229.C13.o1.np	Method	AAT/NAP
Start	4398	End	6039
GI	3850579	Score	407
Exons	4398..5569, 5958..6039		
GI Descrip.	(AC005278) Strong similarity to gb|D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb|H37281, gb|T44167, gb|T21813, gb|N38437, gb|Z26470, gb|R65072, gb|N76373, gb|F15470, gb|Z35182, gb|H76373, gb|Z34678 an...		

Seq. No.	3312	Seq. ID	OJ991122_12.0229.C13
Gene No.	7046	Strand	-
Start	8532	End	9089
Name	OJ991122_12.0229.C13.o1.tm	Method	TBLASTX:Maize
Start	4392	End	8922
GI	none	Score	96
Exons	4392..4538, 4393..4539, 4398..4526, 4473..4643, 4614..4718, 4776..4826, 8465..8593, 8532..8606, 8541..8645, 8542..8643, 8625..8831, 8626..8889, 8838..8921, 8839..8922		

Seq. No.	3312	Seq. ID	OJ991122_12.0229.C13
Gene No.	7046	Strand	-
Start	8532	End	9089
Name	OJ991122_12.0229.C13.o1.ts	Method	TBLASTX:Soybean
Start	4443	End	8945
GI	none	Score	78
Exons	4443..4529, 4614..4718, 4767..4850, 4857..4928, 4929..4982, 5019..5192, 5226..5324, 8535..8612, 8676..8840, 8856..8945		

Seq. No.	3312	Seq. ID	OJ991122_12.0229.C13
Gene No.	7046	Strand	-
Start	8532	End	9089
Name	OJ991122_12.0229.C13.o2.tm	Method	TBLASTX:Maize
Start	4854	End	5567
GI	none	Score	57
Exons	4854..4928, 4995..5042, 5007..5042, 5046..5171, 5047..5118, 5172..5267, 5185..5268, 5251..5286, 5499..5567		

Seq. No.	3312	Seq. ID	OJ991122_12.0229.C13
Gene No.	7046	Strand	-
Start	8532	End	9089
Name	OJ991122_12.0229.C13.o3.gs	Method	GENSCAN
Start	8532	End	9089
GI	none	Score	1
Exons	8532..9089		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7047	Strand	+
Start	6	End	289
Name	OJ991122_12.0229.C14.o1.gs	Method	GENSCAN
Start	6	End	289
GI	none	Score	.77
Exons	6..53, 122..235, 281..289		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7048	Strand	+
Start	6616	End	7209
Name	OJ991122_12.0229.C14.o4.gs	Method	GENSCAN
Start	6616	End	7209
GI	none	Score	.85
Exons	6616..6670, 7136..7209		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7049	Strand	-
Start	1197	End	2465
Name	OJ991122_12.0229.C14.o1.np	Method	AAT/NAP
Start	1197	End	2465
GI	285741	Score	395
Exons	1197..2465		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7050	Strand	-
Start	3920	End	5602
Name	OJ991122_12.0229.C14.o3.np	Method	AAT/NAP
Start	3920	End	5602
GI	6907086	Score	1087
Exons	3920..4299, 4523..4754, 4818..5602		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7050	Strand	-
Start	3920	End	5602
Name	OJ991122_12.0229.C14.o3.gs	Method	GENSCAN
Start	4849	End	5420
GI	none	Score	.8
Exons	4849..5288, 5315..5420		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7051	Strand	-
Start	6307	End	8948
Name	OJ991122_12.0229.C14.o1.tm	Method	TBLASTX:Maize
Start	1200	End	8817
GI	none	Score	83
Exons	1200..1313, 1200..1358, 1359..1523, 1363..1485, 1560..1631, 1597..1632, 8370..8522, 8372..8521, 8540..8701, 8540..8710, 8544..8711, 8729..8815, 8730..8816, 8788..8817		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7051	Strand	-
Start	6307	End	8948
Name	OJ991122_12.0229.C14.o1.ts	Method	TBLASTX:Soybean
Start	1215	End	8726
GI	none	Score	94
Exons	1215..1325, 1308..1553, 1309..1524, 1575..1649, 1603..1674, 8399..8509, 8540..8710, 8541..8726		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7051	Strand	-
Start	6307	End	8948
Name	OJ991122_12.0229.C14.o4.np	Method	AAT/NAP

Start	6307	End	8948
GI	4680186	Score	164
Exons	6307..6725, 7198..7256, 8408..8479, 8825..8948		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7051	Strand	-
Start	6307	End	8948
Name	OJ991122_12.0229.C14.o5.gs	Method	GENSCAN
Start	8372	End	8806
GI	none	Score	.58
Exons	8372..8806		

Seq. No.	3313	Seq. ID	OJ991122_12.0229.C14
Gene No.	7051	Strand	-
Start	6307	End	8948
Name	OJ991122_12.0229.C14.o5.np	Method	AAT/NAP
Start	8381	End	8948
GI	285741	Score	198
Exons	8381..8948		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7052	Strand	+
Start	2034	End	3377
Name	OJ991122_12.0229.C15.o2.gs	Method	GENSCAN
Start	2034	End	3377
GI	none	Score	.49
Exons	2034..2083, 3114..3160, 3298..3377		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7053	Strand	+
Start	10854	End	11258
Name	OJ991122_12.0229.C15.o5.gp	Method	AAT/GAP
Start	10854	End	11258
GI	uC-osrocyp008g08a1	Score	719
Exons	10854..11258		
GI Descrip.	'285741/dbj|BAA03413| 2.0e-15 (D14550) EDGP precursor [Daucus carota]'		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7054	Strand	+
Start	14185	End	14374
Name	OJ991122_12.0229.C15.o7.gp	Method	AAT/GAP
Start	14185	End	14374
GI	3766626	Score	211
Exons	14185..14374		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7055	Strand	-
Start	50	End	502
Name	OJ991122_12.0229.C15.o1.gs	Method	GENSCAN
Start	50	End	502
GI	none	Score	.8
Exons	50..502		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7056	Strand	-
Start	4873	End	6167
Name	OJ991122_12.0229.C15.o1.gp	Method	AAT/GAP
Start	4707	End	5230
GI	3760985	Score	926
Exons	4707..5230		
GI Descrip.	3850579 3.0e-14 (AC005278) Strong similarity to gb_D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb_H37281, gb_T44167, gb_T21813, gb_N38437, gb_Z26470, gb_R65072, gb_N76373, gb_F15470, gb_Z35182, gb_H76373, gb_Z34678 an		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7056	Strand	-
Start	4873	End	6167
Name	OJ991122_12.0229.C15.o3.gs	Method	GENSCAN
Start	4873	End	6147
GI	none	Score	1
Exons	4873..6147		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7056	Strand	-
Start	4873	End	6167
Name	OJ991122_12.0229.C15.o2.gp	Method	AAT/GAP
Start	5869	End	6167
GI	287003	Score	574
Exons	5869..6167		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7057	Strand	-
Start	7663	End	8976
Name	OJ991122_12.0229.C15.o3.gp	Method	AAT/GAP
Start	7522	End	7840
GI	none	Score	590
Exons	7522..7840		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7057	Strand	-
Start	7663	End	8976
Name	OJ991122_12.0229.C15.o4.gs	Method	GENSCAN
Start	7663	End	8922
GI	none	Score	1
Exons	7663..8922		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7057	Strand	-
Start	7663	End	8976
Name	OJ991122_12.0229.C15.o4.gp	Method	AAT/GAP
Start	7952	End	8976
GI	24706_1.R1084	Score	1956
Exons	7952..8976		
GI Descrip.	'285741/dbj|BAA03413| 8.0e-19 (D14550) EDGP precursor [Daucus carota]'		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15

Gene No.	7058	Strand	-
Start	10981	End	18965
Name	OJ991122_12.0229.C15.o2.ts	Method	TBLASTX:Soybean
Start	4861	End	11901
GI	none	Score	84
Exons	4861..4992, 4877..5002, 5024..5113, 5068..5112, 5116..5205, 5129..5170, 5536..5679, 5935..5976, 5971..6051, 7669..7794, 7897..8019, 8267..8296, 8315..8413, 8464..8595, 8525..8596, 10993..11154, 10994..11158, 11161..11205, 11224..11343, 11225..11308, 11623..11901		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7058	Strand	-
Start	10981	End	18965
Name	OJ991122_12.0229.C15.o2.tc	Method	TBLASTX:Cress
Start	4870	End	11793
GI	none	Score	81
Exons	4870..4992, 4877..5002, 5047..5112, 5048..5113, 5128..5205, 7660..7701, 7717..7815, 7825..7881, 8482..8595, 10993..11205, 10994..11206, 11224..11337, 11626..11793		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7058	Strand	-
Start	10981	End	18965
Name	OJ991122_12.0229.C15.o1.tm	Method	TBLASTX:Maize
Start	4873	End	11409
GI	none	Score	116
Exons	4873..4992, 4880..5014, 4937..5002, 5032..5205, 5036..5206, 5245..5328, 5246..5314, 5263..5328, 7675..7698, 7715..7798, 7720..7800, 7825..8010, 7829..8005, 8032..8100, 8033..8089, 10993..11115, 10994..11116, 11101..11325, 11102..11308, 11329..11409, 11330..11395		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7058	Strand	-
Start	10981	End	18965
Name	OJ991122_12.0229.C15.o5.gs	Method	GENSCAN
Start	10981	End	18965
GI	none	Score	.44
Exons	10981..12132, 12612..12699, 13009..13128, 14498..14620, 14984..15248, 16281..16566, 17299..18462, 18733..18965		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7058	Strand	-
Start	10981	End	18965
Name	OJ991122_12.0229.C15.o1.np	Method	AAT/NAP
Start	10987	End	12183
GI	285741	Score	518
Exons	10987..12183		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	3314	Seq. ID	OJ991122_12.0229.C15
Gene No.	7058	Strand	-
Start	10981	End	18965
Name	OJ991122_12.0229.C15.o1.tw	Method	TBLASTX:Wheat
Start	13654	End	16092
GI	none	Score	151

Exons 13654..13740, 13654..13746, 13732..13845, 13762..13854,
13762..13854, 13976..14179, 14051..14176, 14057..14182,
15337..15435, 15412..15624, 15415..15699, 15469..15792,
15781..16056, 15784..16092, 15826..16083

Seq. No. 3314 Seq. ID OJ991122_12.0229.C15
Gene No. 7058 Strand -
Start 10981 End 18965
Name OJ991122_12.0229.C15.o3.ts Method TBLASTX:Soybean
Start 13666 End 16155
GI none Score 41
Exons 13666..13854, 13738..13872, 13982..14182, 13982..14179,
15277..15411, 15304..15414, 15415..15714, 15442..15768,
15514..15780, 15655..15783, 15745..16083, 15781..16071,
15883..16092, 15943..16110, 16093..16155

Seq. No. 3314 Seq. ID OJ991122_12.0229.C15
Gene No. 7058 Strand -
Start 10981 End 18965
Name OJ991122_12.0229.C15.o6.gp Method AAT/GAP
Start 13708 End 14145
GI uC-osrocyp008b05b1 Score 827
Exons 13708..14145
GI Descrip. '5257255/dbj|AP000364.1|AP000364 1.0e-51 Oxyza sativa genomic
DNA, chromosome 8, clone:P0026F07'

Seq. No. 3314 Seq. ID OJ991122_12.0229.C15
Gene No. 7058 Strand -
Start 10981 End 18965
Name OJ991122_12.0229.C15.o1.tc Method TBLASTX:Cress
Start 13732 End 16182
GI none Score 99
Exons 13732..13848, 13985..14176, 15319..15624, 15325..15531,
15352..15558, 15364..15501, 15505..15696, 15505..15627,
15517..15636, 15574..15633, 15649..15876, 15649..15780,
15676..15837, 15718..15972, 15721..15855, 15781..15909,
15862..16044, 15862..15972, 15907..16002, 15913..16182,
15922..16095, 15961..16125, 15997..16161

Seq. No. 3314 Seq. ID OJ991122_12.0229.C15
Gene No. 7058 Strand -
Start 10981 End 18965
Name OJ991122_12.0229.C15.o3.np Method AAT/NAP
Start 15567 End 18358
GI 2792220 Score 447
Exons 15567..15746, 16266..16526, 17295..17795, 17833..18358
GI Descrip. (AF032688) NBS-LRR type resistance protein [Oryza sativa]

Seq. No. 3314 Seq. ID OJ991122_12.0229.C15
Gene No. 7058 Strand -
Start 10981 End 18965
Name OJ991122_12.0229.C15.o1.ts Method TBLASTX:Soybean
Start 17815 End 18177
GI none Score 64
Exons 17815..18111, 18085..18177

Seq. No. 3315 Seq. ID OJ991012_15.0225.C1

Gene No.	7059	Strand	+
Start	1	End	631
Name	OJ991012_15.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	631
GI	4454464	Score	283
Exons	1..126, 237..299, 415..508, 589..631		
GI Descrip.	(AC006234) putative secretory carrier-associated membrane protein [Arabidopsis thaliana]		

Seq. No.	3315	Seq. ID	OJ991012_15.0225.C1
Gene No.	7060	Strand	-
Start	79	End	511
Name	OJ991012_15.0225.C1.o1.tw	Method	TBLASTX:Wheat
Start	1	End	277
GI	none	Score	63
Exons	1..120, 2..130, 3..128, 224..277		

Seq. No.	3315	Seq. ID	OJ991012_15.0225.C1
Gene No.	7060	Strand	-
Start	79	End	511
Name	OJ991012_15.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	2	End	509
GI	none	Score	54
Exons	2..115, 2..127, 3..128, 215..304, 420..509, 455..508		

Seq. No.	3315	Seq. ID	OJ991012_15.0225.C1
Gene No.	7060	Strand	-
Start	79	End	511
Name	OJ991012_15.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	509
GI	none	Score	178
Exons	2..127, 3..128, 224..307, 419..508, 426..509		

Seq. No.	3315	Seq. ID	OJ991012_15.0225.C1
Gene No.	7060	Strand	-
Start	79	End	511
Name	OJ991012_15.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	511
GI	none	Score	174
Exons	2..127, 3..128, 215..304, 235..300, 420..509, 428..511		

Seq. No.	3315	Seq. ID	OJ991012_15.0225.C1
Gene No.	7060	Strand	-
Start	79	End	511
Name	OJ991012_15.0225.C1.o1.gs	Method	GENSCAN
Start	79	End	117
GI	none	Score	.85
Exons	79..117		

Seq. No.	3316	Seq. ID	OJ991012_15.0225.C2
Gene No.	7061	Strand	+
Start	612	End	690
Name	OJ991012_15.0225.C2.o1.gs	Method	GENSCAN
Start	612	End	690
GI	none	Score	.58
Exons	612..690		

Seq. No.	3317	Seq. ID	OJ991012_15.0225.C3
Gene No.	7062	Strand	+
Start	154	End	760
Name	OJ991012_15.0225.C3.o1.gs	Method	GENSCAN
Start	154	End	760
GI	none	Score	.47
Exons	154..176, 246..404, 410..576,	687..760	

Seq. No.	3317	Seq. ID	OJ991012_15.0225.C3
Gene No.	7063	Strand	+
Start	1633	End	2421
Name	OJ991012_15.0225.C3.o2.gs	Method	GENSCAN
Start	1633	End	2421
GI	none	Score	.68
Exons	1633..1725, 2257..2421		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7064	Strand	+
Start	1248	End	1361
Name	OJ991012_15.0225.C4.o2.np	Method	AAT/NAP
Start	1248	End	1361
GI	1008044	Score	95
Exons	1248..1361		
GI Descrip.	(D13109) rpoB protein [Oryza sativa]		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7065	Strand	+
Start	3414	End	3507
Name	OJ991012_15.0225.C4.o3.np	Method	AAT/NAP
Start	3414	End	3507
GI	4680183	Score	116
Exons	3414..3507		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7066	Strand	+
Start	4204	End	10153
Name	OJ991012_15.0225.C4.o4.np	Method	AAT/NAP
Start	4204	End	5704
GI	6815109	Score	480
Exons	4204..5003, 5167..5381, 5413..5704		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7066	Strand	+
Start	4204	End	10153
Name	OJ991012_15.0225.C4.o5.np	Method	AAT/NAP
Start	5343	End	10153
GI	5042454	Score	77
Exons	5343..5512, 7339..7530, 10115..10153		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7066	Strand	+
Start	4204	End	10153
Name	OJ991012_15.0225.C4.o4.gs	Method	GENSCAN
Start	7170	End	7804

GI	none	Score	.79
Exons	7170..7217, 7339..7446, 7646..7804		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7067	Strand	-
Start	1	End	369
Name	OJ991012_15.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	348
GI	3047076	Score	199
Exons	1..348		
GI Descrip.	(AF058914) contains similarity to SRF-type transcription factors DNA-binding and dimerization domains (PFam: transcript_fact.hmm, score 37.47) [Arabidopsis thaliana]		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7067	Strand	-
Start	1	End	369
Name	OJ991012_15.0225.C4.o1.gs	Method	GENSCAN
Start	58	End	369
GI	none	Score	.8
Exons	58..369		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7068	Strand	-
Start	2687	End	2791
Name	OJ991012_15.0225.C4.o1.gp	Method	AAT/GAP
Start	2687	End	2791
GI	uC-osflcyp088b12b1	Score	140
Exons	2687..2791		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7069	Strand	-
Start	8103	End	8558
Name	OJ991012_15.0225.C4.o5.gs	Method	GENSCAN
Start	8103	End	8558
GI	none	Score	.49
Exons	8103..8474, 8553..8558		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7070	Strand	-
Start	9878	End	10243
Name	OJ991012_15.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	4	End	372
GI	none	Score	67
Exons	4..198, 101..202, 226..372, 239..355		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4
Gene No.	7070	Strand	-
Start	9878	End	10243
Name	OJ991012_15.0225.C4.o1.tw	Method	TBLASTX:Wheat
Start	56	End	375
GI	none	Score	61
Exons	56..145, 71..199, 83..361, 199..375		

Seq. No.	3318	Seq. ID	OJ991012_15.0225.C4

Gene No.	7070	Strand	-
Start	9878	End	10243
Name	OJ991012_15.0225.C4.o6.gs	Method	GENSCAN
Start	9878	End	10243
GI	none	Score	.7
Exons	9878..9920, 10236..10243		

Seq. No.	3319	Seq. ID	OJ991012_15.0225.C5
Gene No.	7071	Strand	-
Start	176	End	307
Name	OJ991012_15.0225.C5.o1.np	Method	AAT/NAP
Start	176	End	307
GI	134153	Score	77
Exons	176..307		
GI Descrip.	NADP-DEPENDENT D-SORBITOL-6-PHOSPHATE DEHYDROGENASE (ALDOSE-6-PHOSPHATE REDUCTASE [NADPH]) gi|217951|dbj|BAA01853| (D11080) NADP-dependent D-sorbitol-6-phosphate dehydrogenase [Malus domestica] gi|3688805 (AF057134) NADP-dependent sorbitol 6-phosphate dehydrogenase [Malus domestica] gi|445618|prf||1909365A NADP sorbitol phosphate dehydrogenase [Malus domestica]		

Seq. No.	3319	Seq. ID	OJ991012_15.0225.C5
Gene No.	7072	Strand	-
Start	494	End	561
Name	OJ991012_15.0225.C5.o1.gp	Method	AAT/GAP
Start	494	End	561
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	494..561		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3319	Seq. ID	OJ991012_15.0225.C5
Gene No.	7073	Strand	-
Start	3364	End	6142
Name	OJ991012_15.0225.C5.o3.gp	Method	AAT/GAP
Start	2083	End	2682
GI	3761363	Score	851
Exons	2083..2682		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	3319	Seq. ID	OJ991012_15.0225.C5
Gene No.	7073	Strand	-
Start	3364	End	6142
Name	OJ991012_15.0225.C5.o2.np	Method	AAT/NAP
Start	2641	End	4659
GI	6063554	Score	185
Exons	2641..2811, 3883..3970, 4124..4388, 4468..4659		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3319	Seq. ID	OJ991012_15.0225.C5
Gene No.	7073	Strand	-
Start	3364	End	6142

Name	OJ991012_15.0225.C5.o2.gs	Method	GENSCAN
Start	3364	End	6142
GI	none	Score	.44
Exons	3364..3478, 3895..4257, 4349..4606, 5220..5326, 6006..6142		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7074	Strand	+
Start	5405	End	6443
Name	OJ991012_15.0225.C6.o2.gs	Method	GENSCAN
Start	5405	End	6443
GI	none	Score	.75
Exons	5405..5981, 6049..6443		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7075	Strand	+
Start	7246	End	17075
Name	OJ991012_15.0225.C6.o3.gs	Method	GENSCAN
Start	7246	End	9243
GI	none	Score	.87
Exons	7246..7421, 7695..7780, 8352..8506, 9031..9243		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7075	Strand	+
Start	7246	End	17075
Name	OJ991012_15.0225.C6.o1.np	Method	AAT/NAP
Start	8992	End	17075
GI	6523547	Score	401
Exons	8992..9109, 13296..13413, 16017..17075		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7075	Strand	+
Start	7246	End	17075
Name	OJ991012_15.0225.C6.o1.gp	Method	AAT/GAP
Start	9095	End	9438
GI	2280868	Score	669
Exons	9095..9438		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o6.gs	Method	GENSCAN
Start	18743	End	20520
GI	none	Score	.67
Exons	18743..19284, 19298..19463, 20341..20520		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o3.np	Method	AAT/NAP
Start	18863	End	52431
GI	3063699	Score	147
Exons	18863..18976, 19239..19560, 25809..25967, 50113..50207, 52367..52431		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o10.gs	Method	GENSCAN
Start	42113	End	47809
GI	none	Score	.7
Exons	42113..42238, 42330..42430, 44208..44305, 46510..46658, 46763..47002, 47618..47809		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o3.gp	Method	AAT/GAP
Start	50039	End	50743
GI	25157_1.R1084	Score	1083
Exons	50039..50544, 50684..50743		
GI Descrip.	'4206195/gb|AAD11583.1|AAD11583 2.0e-13 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4262169_gb_AAD14469_ (AC005275) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o5.np	Method	AAT/NAP
Start	50089	End	52162
GI	6862947	Score	880
Exons	50089..50544, 50684..50824, 50922..51035, 51132..51305, 51841..51956, 52072..52162		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o11.gs	Method	GENSCAN
Start	50101	End	52192
GI	none	Score	.64
Exons	50101..50544, 50684..50824, 50922..51035, 51132..51305, 51841..51956, 52072..52192		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7076	Strand	+
Start	18743	End	52472
Name	OJ991012_15.0225.C6.o4.gp	Method	AAT/GAP
Start	50778	End	52472
GI	101_2.R1084	Score	1359
Exons	50778..50824, 50922..51035, 51132..51305, 51841..51956, 52072..52135, 52221..52472		
GI Descrip.	'4206195/gb|AAD11583.1|AAD11583 9.0e-23 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4262169_gb_AAD14469_ (AC005275) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7077	Strand	-
Start	11921	End	13428
Name	OJ991012_15.0225.C6.o4.gs	Method	GENSCAN
Start	11921	End	13428
GI	none	Score	.64

Exons	11921..12009, 12418..12522, 13021..13207, 13324..13428		
Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7078	Strand	-
Start	14239	End	17509
Name	OJ991012_15.0225.C6.o5.gs	Method	GENSCAN
Start	14239	End	17509
GI	none	Score	.44
Exons	14239..14410, 14987..15038, 15157..15262, 16568..17211, 17461..17509		
Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7079	Strand	-
Start	17863	End	25331
Name	OJ991012_15.0225.C6.o2.np	Method	AAT/NAP
Start	17863	End	25331
GI	4680183	Score	196
Exons	17863..17952, 18559..18634, 25228..25331		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7080	Strand	-
Start	26328	End	50800
Name	OJ991012_15.0225.C6.o8.gs	Method	GENSCAN
Start	26328	End	38900
GI	none	Score	.63
Exons	26328..26493, 26574..26686, 27345..27482, 28127..28170, 29374..29698, 30121..30189, 30660..30748, 32387..32397, 34690..34959, 35289..35501, 36251..36402, 36653..36814, 36961..37108, 37237..37313, 37470..37540, 37894..38325, 38429..38900		
Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7080	Strand	-
Start	26328	End	50800
Name	OJ991012_15.0225.C6.o4.np	Method	AAT/NAP
Start	31800	End	50800
GI	6175155	Score	789
Exons	31800..31842, 36625..36814, 36961..37108, 37237..37313, 37470..37540, 37647..37733, 37894..38298, 46058..46335, 46780..46829, 50015..50154, 50211..50517, 50641..50800		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7080	Strand	-
Start	26328	End	50800
Name	OJ991012_15.0225.C6.o2.gp	Method	AAT/GAP
Start	35897	End	35996
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	35897..35996		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7080	Strand	-
Start	26328	End	50800

Name	OJ991012_15.0225.C6.o9.gs	Method	GENSCAN
Start	39871	End	41750
GI	none	Score	.61
Exons	39871..40021, 41138..41272, 41519..41618, 41657..41750		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o5.ts	Method	TBLASTX:Soybean
Start	30657	End	37720
GI	none	Score	66
Exons	30657..30758, 36960..37106, 36961..37107, 36961..37107, 37004..37108, 37016..37138, 37225..37308, 37236..37313, 37237..37314, 37459..37536, 37467..37553, 37645..37719, 37646..37720		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o3.tm	Method	TBLASTX:Maize
Start	30666	End	38194
GI	none	Score	79
Exons	30666..30749, 36650..36814, 36961..37107, 37007..37108, 37234..37314, 37236..37316, 37236..37316, 37459..37536, 37467..37535, 37628..37714, 37645..37722, 37889..38014, 37895..38194, 37956..38183		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o6.tm	Method	TBLASTX:Maize
Start	34701	End	34978
GI	none	Score	50
Exons	34701..34958, 34743..34796, 34747..34959, 34852..34962, 34895..34978, 34899..34961		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	37645	End	38191
GI	none	Score	46
Exons	37645..37755, 37891..37938, 37892..38014, 37892..38188, 37965..38186, 38090..38191		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o2.ts	Method	TBLASTX:Soybean
Start	37886	End	38188
GI	none	Score	187
Exons	37886..38188, 37959..38186		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o2.tw	Method	TBLASTX:Wheat

Start	37967	End	38191
GI	none	Score	169
Exons	37967..38191, 37968..38186		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o5.tm	Method	TBLASTX:Maize
Start	42089	End	44367
GI	none	Score	114
Exons	42089..42232, 42094..42129, 42166..42234, 42328..42432, 42330..42431, 44185..44325, 44202..44324, 44206..44367, 44207..44359		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o1.tw	Method	TBLASTX:Wheat
Start	42128	End	45102
GI	none	Score	151
Exons	42128..42238, 42166..42240, 42312..42428, 42327..42431, 42329..42433, 42329..42430, 42370..42435, 44185..44304, 44202..44306, 44936..45097, 44953..45102, 44954..45094		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o4.tm	Method	TBLASTX:Maize
Start	50254	End	50740
GI	none	Score	129
Exons	50254..50361, 50263..50484, 50446..50544, 50472..50543, 50672..50740, 50680..50736		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	50449	End	51035
GI	none	Score	120
Exons	50449..50544, 50672..50824, 50680..50823, 50681..50860, 50918..51010, 50919..51035		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	50743	End	52335
GI	none	Score	131
Exons	50743..50823, 50744..50824, 50744..50836, 50918..51034, 50919..51035, 50919..51035, 50927..51037, 51126..51302, 51127..51300, 51131..51304, 51131..51304, 51141..51305, 51823..51957, 51840..51959, 51844..51960, 52061..52132, 52075..52137, 52220..52333, 52288..52335		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692

Name	OJ991012_15.0225.C6.o4.ts	Method	TBLASTX:Soybean
Start	51134	End	52135
GI	none	Score	73
Exons	51134..51304, 51137..51223, 51141..51305, 51817..51957, 51840..51959, 51840..51956, 52061..52135, 52075..52104		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o12.gs	Method	GENSCAN
Start	53007	End	58190
GI	none	Score	.69
Exons	53007..53369, 53871..54149, 54321..54402, 54835..55001, 55119..55227, 55233..55477, 55807..56109, 56394..56555, 56998..57207, 57994..58190		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o6.np	Method	AAT/NAP
Start	53025	End	58692
GI	6714410	Score	870
Exons	53025..53369, 53871..54149, 55696..56112, 57001..57207, 57994..58224, 58664..58692		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	53151	End	55773
GI	none	Score	86
Exons	53151..53309, 53191..53289, 53208..53309, 53209..53310, 53301..53372, 53329..53370, 53868..54152, 53869..54147, 53880..54152, 55691..55771, 55696..55773, 55696..55773		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o3.ts	Method	TBLASTX:Soybean
Start	53259	End	57144
GI	none	Score	136
Exons	53259..53372, 53868..54140, 53956..54141, 57037..57144		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o5.gp	Method	AAT/GAP
Start	54859	End	55307
GI	2427727	Score	775
Exons	54859..55307		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o2.tc	Method	TBLASTX:Cress
Start	55858	End	57207

GI	none	Score	72
Exons	55858..56004, 55868..55963, 56062..56112, 57013..57207, 57020..57205		

Seq. No.	3320	Seq. ID	OJ991012_15.0225.C6
Gene No.	7081	Strand	-
Start	53007	End	58692
Name	OJ991012_15.0225.C6.o6.gp	Method	AAT/GAP
Start	56236	End	56373
GI	3107799	Score	259
Exons	56236..56373		

Seq. No.	3321	Seq. ID	OJ991012_15.0225.C7
Gene No.	7082	Strand	-
Start	461	End	499
Name	OJ991012_15.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	4	End	180
GI	none	Score	140
Exons	4..180, 6..164		

Seq. No.	3321	Seq. ID	OJ991012_15.0225.C7
Gene No.	7082	Strand	-
Start	461	End	499
Name	OJ991012_15.0225.C7.o1.gs	Method	GENSCAN
Start	461	End	499
GI	none	Score	.76
Exons	461..499		

Seq. No.	3322	Seq. ID	OJ991012_15.0225.C8
Gene No.	7083	Strand	+
Start	137	End	308
Name	OJ991012_15.0225.C8.o1.gs	Method	GENSCAN
Start	137	End	308
GI	none	Score	.73
Exons	137..308		

Seq. No.	3323	Seq. ID	OJ991012_15.0225.C9
Gene No.	7084	Strand	-
Start	1077	End	1584
Name	OJ991012_15.0225.C9.o1.gp	Method	AAT/GAP
Start	1077	End	1584
GI	none	Score	968
Exons	1077..1584		

Seq. No.	3324	Seq. ID	OJ991012_15.0225.C11
Gene No.	7085	Strand	+
Start	92	End	3498
Name	OJ991012_15.0225.C11.o1.gs	Method	GENSCAN
Start	92	End	3407
GI	none	Score	.8
Exons	92..236, 942..1023, 2955..3183, 3267..3407		

Seq. No.	3324	Seq. ID	OJ991012_15.0225.C11
Gene No.	7085	Strand	+
Start	92	End	3498
Name	OJ991012_15.0225.C11.o1.np	Method	AAT/NAP
Start	1775	End	3498

GI	1091678	Score	1138
Exons	1775..3498		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	3324	Seq. ID	OJ991012_15.0225.C11
Gene No.	7085	Strand	+
Start	92	End	3498
Name	OJ991012_15.0225.C11.o2.tm	Method	TBLASTX:Maize
Start	2012	End	2217
GI	none	Score	244
Exons	2012..2212, 2030..2209, 2041..2217		

Seq. No.	3324	Seq. ID	OJ991012_15.0225.C11
Gene No.	7085	Strand	+
Start	92	End	3498
Name	OJ991012_15.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	2218	End	3171
GI	none	Score	35
Exons	2218..2277, 2279..2389, 2279..2392, 2382..2480, 2383..2526, 2533..2574, 2578..2772, 2579..2785, 2659..2793, 2790..2936, 2947..2994, 2951..2995, 2991..3170, 2992..3171		

Seq. No.	3325	Seq. ID	OJ991012_15.0225.C12
Gene No.	7086	Strand	+
Start	307	End	808
Name	OJ991012_15.0225.C12.o1.gs	Method	GENSCAN
Start	307	End	808
GI	none	Score	.51
Exons	307..310, 783..808		

Seq. No.	3325	Seq. ID	OJ991012_15.0225.C12
Gene No.	7087	Strand	-
Start	2806	End	3088
Name	OJ991012_15.0225.C12.o2.gs	Method	GENSCAN
Start	2806	End	3088
GI	none	Score	.79
Exons	2806..3008, 3031..3088		

Seq. No.	3326	Seq. ID	OJ991012_15.0225.C13
Gene No.	7088	Strand	+
Start	168	End	935
Name	OJ991012_15.0225.C13.o1.gs	Method	GENSCAN
Start	168	End	935
GI	none	Score	.76
Exons	168..255, 748..935		

Seq. No.	3326	Seq. ID	OJ991012_15.0225.C13
Gene No.	7089	Strand	+
Start	3301	End	4908
Name	OJ991012_15.0225.C13.o2.gs	Method	GENSCAN
Start	3301	End	4908
GI	none	Score	.64
Exons	3301..3583, 3865..3983, 4108..4338, 4659..4908		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7090	Strand	+
Start	1	End	1399

Name	OJ991012_15.0225.C14.o1.np	Method	AAT/NAP
Start	1	End	1399
GI	6714341	Score	138
Exons	1..29, 1190..1399		
GI Descrip.	(AC016162) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7091	Strand	+
Start	5006	End	5138
Name	OJ991012_15.0225.C14.o1.gp	Method	AAT/GAP
Start	5006	End	5138
GI	LIB3474-009-P1-K1-F11	Score	229
Exons	5006..5138		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7092	Strand	+
Start	8834	End	12407
Name	OJ991012_15.0225.C14.o2.gp	Method	AAT/GAP
Start	8519	End	8955
GI	24878_1.R1084	Score	746
Exons	8519..8955		
GI Descrip.	'5822826/dbj|AB028602.1|AB028602 2.0e-40 Oryza sativa D1 gene for alpha-subunit of GTP-binding protein, wild type, partial sequence'		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7092	Strand	+
Start	8834	End	12407
Name	OJ991012_15.0225.C14.o3.np	Method	AAT/NAP
Start	8529	End	11877
GI	6014904	Score	277
Exons	8529..8737, 9043..9189, 10572..10669, 10761..10860, 11752..11877		
GI Descrip.	DAG PROTEIN, CHLOROPLAST PRECURSOR gi|1200205|emb|CAA65064| (X95753) DAG [Antirrhinum majus]		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7092	Strand	+
Start	8834	End	12407
Name	OJ991012_15.0225.C14.o3.gs	Method	GENSCAN
Start	8834	End	12407
GI	none	Score	.72
Exons	8834..9189, 9523..9591, 10572..10696, 12241..12407		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7093	Strand	-
Start	1	End	8350
Name	OJ991012_15.0225.C14.o2.np	Method	AAT/NAP
Start	1	End	8350
GI	5852180	Score	531
Exons	1..27, 2326..2471, 2610..3048, 3478..3574, 7593..8350		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7093	Strand	-

Start	1	End	8350
Name	OJ991012_15.0225.C14.o2.gs	Method	GENSCAN
Start	7371	End	8217
GI	none	Score	.73
Exons	7371..7475, 7546..7722, 7762..7988, 8088..8217		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7094	Strand	
Start	8972	End	13145
Name	OJ991012_15.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	8972	End	9195
GI	none	Score	356
Exons	8972..9184, 8983..9195		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7094	Strand	
Start	8972	End	13145
Name	OJ991012_15.0225.C14.o1.ts	Method	TBLASTX:Soybean
Start	8978	End	13145
GI	none	Score	318
Exons	8978..9187, 8992..9189, 9035..9193, 10570..10668, 10581..10691, 10754..10825, 10756..10824, 10759..10836, 13077..13145		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7094	Strand	
Start	8972	End	13145
Name	OJ991012_15.0225.C14.o1.tw	Method	TBLASTX:Wheat
Start	10564	End	10836
GI	none	Score	115
Exons	10564..10668, 10754..10828, 10756..10827, 10759..10836		

Seq. No.	3327	Seq. ID	OJ991012_15.0225.C14
Gene No.	7094	Strand	
Start	8972	End	13145
Name	OJ991012_15.0225.C14.o2.tm	Method	TBLASTX:Maize
Start	10564	End	10828
GI	none	Score	126
Exons	10564..10668, 10754..10828, 10765..10827		

Seq. No.	3328	Seq. ID	OJ991012_15.0225.C15
Gene No.	7095	Strand	+
Start	762	End	1465
Name	OJ991012_15.0225.C15.o1.gp	Method	AAT/GAP
Start	762	End	1465
GI	none	Score	485
Exons	762..898, 1328..1465		

Seq. No.	3328	Seq. ID	OJ991012_15.0225.C15
Gene No.	7096	Strand	-
Start	596	End	1796
Name	OJ991012_15.0225.C15.o1.gs	Method	GENSCAN
Start	596	End	1796
GI	none	Score	.4
Exons	596..918, 1718..1796		

Seq. No.	3329	Seq. ID	OJ991012_15.0225.C16
Gene No.	7097	Strand	-

Start	875	End	1262
Name	OJ991012_15.0225.C16.o1.gs	Method	GENSCAN
Start	875	End	1262
GI	none	Score	.52
Exons	875..957, 1179..1262		

Seq. No.	3330	Seq. ID	OJ991012_15.0225.C17
Gene No.	7098	Strand	+
Start	619	End	737
Name	OJ991012_15.0225.C17.o1.gp	Method	AAT/GAP
Start	619	End	737
GI	none	Score	163
Exons	619..737		

Seq. No.	3330	Seq. ID	OJ991012_15.0225.C17
Gene No.	7099	Strand	+
Start	2567	End	3170
Name	OJ991012_15.0225.C17.o1.np	Method	AAT/NAP
Start	2567	End	3170
GI	4633273	Score	71
Exons	2567..2704, 2746..3170		
GI Descrip.	(AF115549) Wiskott-Aldrich Syndrome protein [Homo sapiens]		

Seq. No.	3330	Seq. ID	OJ991012_15.0225.C17
Gene No.	7100	Strand	+
Start	3425	End	3476
Name	OJ991012_15.0225.C17.o3.gp	Method	AAT/GAP
Start	3425	End	3476
GI	uC-osflcyp111c03a1	Score	83
Exons	3425..3476		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 4.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	3330	Seq. ID	OJ991012_15.0225.C17
Gene No.	7101	Strand	+
Start	3597	End	7712
Name	OJ991012_15.0225.C17.o4.gp	Method	AAT/GAP
Start	3597	End	7712
GI	17621_1.R1084	Score	1277
Exons	3597..3723, 4033..4103, 5828..5917, 7307..7712		
GI Descrip.	'4454466/gb|AAD20913| 3.0e-13 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3330	Seq. ID	OJ991012_15.0225.C17
Gene No.	7102	Strand	-
Start	8174	End	8640
Name	OJ991012_15.0225.C17.o2.gs	Method	GENSCAN
Start	8174	End	8640
GI	none	Score	.48
Exons	8174..8210, 8241..8300, 8453..8640		

Seq. No.	3331	Seq. ID	OJ991012_15.0225.C19
Gene No.	7103	Strand	+
Start	82	End	426
Name	OJ991012_15.0225.C19.o1.gp	Method	AAT/GAP
Start	82	End	347
GI	none	Score	451

Exons	82..347		
Seq. No.	3331	Seq. ID	OJ991012_15.0225.C19
Gene No.	7103	Strand	+
Start	82	End	426
Name	OJ991012_15.0225.C19.o1.gs	Method	GENSCAN
Start	112	End	426
GI	none	Score	.87
Exons	112..426		
Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7104	Strand	+
Start	1	End	1362
Name	OJ991012_15.0225.C20.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	5734732	Score	102
Exons	1..73, 1101..1166, 1279..1362		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o2.tw	Method	TBLASTX:Wheat
Start	8	End	4660
GI	none	Score	52
Exons	8..76, 1101..1178, 1103..1162, 1273..1353, 1281..1337, 4568..4660, 4568..4657		
Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o2.tm	Method	TBLASTX:Maize
Start	1101	End	4705
GI	none	Score	80
Exons	1101..1166, 1273..1353, 1281..1343, 3942..3983, 4354..4440, 4359..4442, 4390..4443, 4561..4659, 4565..4660, 4676..4705		
Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o1.gs	Method	GENSCAN
Start	1893	End	4659
GI	none	Score	.9
Exons	1893..1962, 2241..2396, 3312..3430, 3732..3794, 4036..4189, 4370..4432, 4566..4659		
Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o1.gp	Method	AAT/GAP
Start	2242	End	3792
GI	2309765	Score	697
Exons	2242..2396, 3365..3430, 3528..3640, 3732..3792		
Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750

Name	OJ991012_15.0225.C20.o2.np	Method	AAT/NAP
Start	2339	End	4750
GI	4454464	Score	418
Exons	2339..2396, 3533..3640, 3732..3794, 3936..3969, 4067..4189, 4370..4432, 4566..4750		
GI Descrip.	(AC006234) putative secretory carrier-associated membrane protein [Arabidopsis thaliana]		

Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o1.tm	Method	TBLASTX:Maize
Start	3554	End	4191
GI	none	Score	87
Exons	3554..3640, 3562..3630, 3724..3804, 3725..3796, 4033..4182, 4065..4187, 4065..4190, 4066..4191		

Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o1.tw	Method	TBLASTX:Wheat
Start	3614	End	4214
GI	none	Score	39
Exons	3614..3640, 3725..3796, 3730..3804, 3927..3977, 4065..4166, 4065..4214, 4066..4191		

Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o1.ts	Method	TBLASTX:Soybean
Start	3930	End	4588
GI	none	Score	45
Exons	3930..3977, 3934..3975, 4065..4190, 4065..4190, 4066..4191, 4405..4443, 4565..4588		

Seq. No.	3332	Seq. ID	OJ991012_15.0225.C20
Gene No.	7105	Strand	+
Start	1893	End	4750
Name	OJ991012_15.0225.C20.o1.tc	Method	TBLASTX:Cress
Start	4047	End	4194
GI	none	Score	195
Exons	4047..4190, 4066..4191, 4069..4194		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7106	Strand	+
Start	4108	End	14114
Name	OJ991012_15.0225.C21.o1.gs	Method	GENSCAN
Start	4108	End	14114
GI	none	Score	.5
Exons	4108..5962, 7179..7222, 7664..7870, 7924..10290, 10369..11981, 12008..14114		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7106	Strand	+
Start	4108	End	14114
Name	OJ991012_15.0225.C21.o1.np	Method	AAT/NAP
Start	8447	End	14111

GI	6498441	Score	7140
Exons	8447..9511, 9842..10305, 10369..10742, 10926..11060, 11235..11645, 11874..12179, 12339..13736, 13830..14111		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o1.tm	Method	TBLASTX:Maize
Start	4375	End	5769
GI	none	Score	37
Exons	4375..4419, 4389..4616, 4417..4626, 4435..4617, 4447..4605, 4474..4626, 4522..4626, 4696..4929, 4696..4971, 4924..5769, 4939..5262, 4975..5241, 5082..5516, 5488..5655		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o7.tw	Method	TBLASTX:Wheat
Start	4429	End	9336
GI	none	Score	139
Exons	4429..4608, 4696..5016, 4903..5373, 4973..5029, 5094..5147, 5190..5315, 9244..9336		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o2.tc	Method	TBLASTX:Cress
Start	4432	End	5406
GI	none	Score	76
Exons	4432..4602, 4897..5043, 5053..5340, 5347..5406		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o5.ts	Method	TBLASTX:Soybean
Start	4438	End	5277
GI	none	Score	114
Exons	4438..4611, 4696..4971, 4941..5264, 4942..5277		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o1.ts	Method	TBLASTX:Soybean
Start	5311	End	5850
GI	none	Score	370
Exons	5311..5850, 5322..5528, 5730..5846		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o1.tc	Method	TBLASTX:Cress
Start	5545	End	6073
GI	none	Score	450
Exons	5545..6072, 5601..5960, 5854..6069, 5948..6073		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o5.tm	Method	TBLASTX:Maize
Start	5781	End	6072
GI	none	Score	295
Exons	5781..5972, 5791..6072		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o3.ts	Method	TBLASTX:Soybean
Start	5851	End	6072
GI	none	Score	261
Exons	5851..6072, 5854..6069		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o6.tw	Method	TBLASTX:Wheat
Start	8599	End	8988
GI	none	Score	54
Exons	8599..8643, 8650..8748, 8667..8747, 8715..8954, 8731..8988		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o6.tm	Method	TBLASTX:Maize
Start	8638	End	8886
GI	none	Score	197
Exons	8638..8886, 8640..8885		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o3.tw	Method	TBLASTX:Wheat
Start	9726	End	18378
GI	none	Score	402
Exons	9726..9899, 9727..10212, 9921..10181, 18322..18378		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o1.tw	Method	TBLASTX:Wheat
Start	10377	End	10839
GI	none	Score	179
Exons	10377..10835, 10377..10832, 10378..10839, 10378..10833		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o4.ts	Method	TBLASTX:Soybean
Start	10417	End	10782
GI	none	Score	117
Exons	10417..10641, 10648..10782		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o2.tm	Method	TBLASTX:Maize
Start	10507	End	10864
GI	none	Score	392
Exons	10507..10863, 10542..10853, 10628..10864		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o4.tm	Method	TBLASTX:Maize
Start	10890	End	11274
GI	none	Score	360
Exons	10890..11255, 10891..11274		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o2.tw	Method	TBLASTX:Wheat
Start	10947	End	11367
GI	none	Score	488
Exons	10947..11342, 10948..11367		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o2.ts	Method	TBLASTX:Soybean
Start	11026	End	11397
GI	none	Score	281
Exons	11026..11397, 11043..11186		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o8.tw	Method	TBLASTX:Wheat
Start	12051	End	12473
GI	none	Score	141
Exons	12051..12263, 12066..12194, 12116..12211, 12201..12290, 12209..12289, 12324..12473, 12333..12458, 12335..12472		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o9.tw	Method	TBLASTX:Wheat
Start	12476	End	12788
GI	none	Score	183
Exons	12476..12652, 12525..12788		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o3.tm	Method	TBLASTX:Maize
Start	12981	End	13304
GI	none	Score	365
Exons	12981..13304, 13010..13291		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o4.tw	Method	TBLASTX:Wheat
Start	13118	End	13499
GI	none	Score	373
Exons	13118..13468, 13119..13499		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o5.tw	Method	TBLASTX:Wheat
Start	13500	End	14102
GI	none	Score	266
Exons	13500..13790, 13505..13783, 13887..13946, 13976..14098, 13977..14102		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o2.gs	Method	GENSCAN
Start	14740	End	17986
GI	none	Score	.61
Exons	14740..15099, 15201..16106, 16201..16603, 16706..17771, 17838..17986		

Seq. No.	3333	Seq. ID	OJ991012_15.0225.C21
Gene No.	7107	Strand	-
Start	14740	End	18378
Name	OJ991012_15.0225.C21.o2.np	Method	AAT/NAP
Start	14743	End	17967
GI	6907089	Score	4345
Exons	14743..16603, 16706..17967		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7108	Strand	+
Start	1	End	324
Name	OJ991012_15.0225.C22.o1.np	Method	AAT/NAP
Start	1	End	324
GI	5042454	Score	77
Exons	1..50, 267..324		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7109	Strand	+
Start	271	End	1020
Name	OJ991012_15.0225.C22.o1.gs	Method	GENSCAN
Start	271	End	1020
GI	none	Score	.85
Exons	271..441, 976..1020		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7110	Strand	-
Start	1	End	474
Name	OJ991012_15.0225.C22.o2.np	Method	AAT/NAP
Start	1	End	474

GI	5922623	Score	63
Exons	1..67, 381..474		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o1.tm	Method	TBLASTX:Maize
Start	1342	End	2055
GI	none	Score	221
Exons	1342..1692, 1487..1693, 1664..1858, 1690..1857, 1956..2054, 1957..2055		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o3.np	Method	AAT/NAP
Start	1342	End	2345
GI	5734618	Score	632
Exons	1342..1853, 1940..2345		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence; unknown protein (AC006234) [Oryza sativa]		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o2.gs	Method	GENSCAN
Start	1342	End	9277
GI	none	Score	.67
Exons	1342..1853, 1940..2357, 5615..5980, 6147..6351, 6731..7080, 7158..7256, 7338..7683, 7727..7932, 8025..8092, 8549..8845, 9109..9277		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o1.ts	Method	TBLASTX:Soybean
Start	1522	End	1846
GI	none	Score	237
Exons	1522..1845, 1523..1846		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o2.ts	Method	TBLASTX:Soybean
Start	2028	End	2324
GI	none	Score	148
Exons	2028..2153, 2160..2324		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o4.tm	Method	TBLASTX:Maize
Start	2061	End	2365

GI	none	Score	76
Exons	2061..2144, 2062..2136, 2161..2361, 2161..2250, 2166..2321, 2174..2365, 2278..2364		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o4.np	Method	AAT/NAP
Start	6135	End	9355
GI	6815062	Score	3317
Exons	6135..6367, 6422..6442, 6741..7080, 7158..7256, 7338..7683, 7727..7932, 8025..9355		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o3.tm	Method	TBLASTX:Maize
Start	6997	End	8198
GI	none	Score	67
Exons	6997..7095, 7338..7634, 7726..7752, 7759..7926, 7759..7926, 8007..8084, 8094..8135, 8157..8198		

Seq. No.	3334	Seq. ID	OJ991012_15.0225.C22
Gene No.	7111	Strand	-
Start	1342	End	9355
Name	OJ991012_15.0225.C22.o2.tm	Method	TBLASTX:Maize
Start	8856	End	9355
GI	none	Score	174
Exons	8856..8936, 8942..9220, 8943..9221, 9245..9355		

Seq. No.	3335	Seq. ID	OJ991012_15.0225.C23
Gene No.	7112	Strand	
Start	170	End	419
Name	OJ991012_15.0225.C23.o1.tm	Method	TBLASTX:Maize
Start	170	End	419
GI	none	Score	180
Exons	170..331, 171..419, 228..359		

Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	2468
GI	6434420	Score	597
Exons	1..90, 126..730, 763..942, 2446..2468		
GI Descrip.	(AL132908) predicted using Genefinder; preliminary prediction [Caenorhabditis elegans]		

Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o1.gs	Method	GENSCAN
Start	116	End	2000
GI	none	Score	.68

Exons	116..552, 709..980, 1031..1112, 1142..1324, 1489..1553, 1631..1698, 1880..2000		
Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	171	End	633
GI	none	Score	142
Exons	171..368, 384..590, 389..535, 420..632, 595..633		
Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	171	End	590
GI	none	Score	439
Exons	171..590, 401..532, 441..584		
Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	171	End	633
GI	none	Score	146
Exons	171..368, 384..590, 389..535, 441..617, 595..633		
Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o3.tm	Method	TBLASTX:Maize
Start	671	End	920
GI	none	Score	64
Exons	671..712, 673..720, 673..714, 679..906, 708..920, 714..857, 817..906		
Seq. No.	3336	Seq. ID	OJ991022_17.0225.C1
Gene No.	7113	Strand	+
Start	1	End	2468
Name	OJ991022_17.0225.C1.o2.tm	Method	TBLASTX:Maize
Start	1028	End	1700
GI	none	Score	144
Exons	1028..1153, 1030..1149, 1134..1223, 1150..1323, 1150..1320, 1483..1551, 1486..1548, 1488..1556, 1490..1552, 1491..1553, 1619..1696, 1629..1697, 1674..1700		
Seq. No.	3337	Seq. ID	OJ991022_17.0225.C2
Gene No.	7114	Strand	+
Start	1	End	126
Name	OJ991022_17.0225.C2.o1.gp	Method	AAT/GAP
Start	1	End	126
GI	none	Score	236
Exons	1..126		
Seq. No.	3337	Seq. ID	OJ991022_17.0225.C2
Gene No.	7115	Strand	+
Start	76	End	856

Name	OJ991022_17.0225.C2.o1.gs	Method	GENSCAN
Start	76	End	856
GI	none	Score	.89
Exons	76..287, 445..856		

Seq. No.	3337	Seq. ID	OJ991022_17.0225.C2
Gene No.	7116	Strand	+
Start	1025	End	1241
Name	OJ991022_17.0225.C2.o2.tm	Method	TBLASTX:Maize
Start	85	End	629
GI	none	Score	208
Exons	85..288, 133..288, 436..618, 441..614, 443..622, 444..629		

Seq. No.	3337	Seq. ID	OJ991022_17.0225.C2
Gene No.	7116	Strand	+
Start	1025	End	1241
Name	OJ991022_17.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	743	End	1230
GI	none	Score	154
Exons	743..940, 769..942, 770..946, 802..942, 974..1075, 999..1082, 1071..1145, 1072..1161, 1073..1153, 1156..1206, 1157..1213, 1164..1229, 1198..1230		

Seq. No.	3337	Seq. ID	OJ991022_17.0225.C2
Gene No.	7116	Strand	+
Start	1025	End	1241
Name	OJ991022_17.0225.C2.o2.gp	Method	AAT/GAP
Start	1025	End	1241
GI	427145	Score	380
Exons	1025..1241		

Seq. No.	3338	Seq. ID	OJ991022_17.0225.C3
Gene No.	7117	Strand	+
Start	772	End	4161
Name	OJ991022_17.0225.C3.o1.gs	Method	GENSCAN
Start	772	End	4161
GI	none	Score	.89
Exons	772..792, 1227..1328, 1428..1508, 1610..1756, 1879..1950, 2255..2373, 4092..4161		

Seq. No.	3338	Seq. ID	OJ991022_17.0225.C3
Gene No.	7117	Strand	+
Start	772	End	4161
Name	OJ991022_17.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	1218	End	3120
GI	none	Score	49
Exons	1218..1247, 1272..1328, 1440..1463, 2297..2371, 2488..2607, 2492..2608, 2515..2610, 2863..2907, 3016..3120		

Seq. No.	3338	Seq. ID	OJ991022_17.0225.C3
Gene No.	7117	Strand	+
Start	772	End	4161
Name	OJ991022_17.0225.C3.o1.gp	Method	AAT/GAP
Start	1891	End	3392
GI	5455384	Score	1242
Exons	1891..1950, 2256..2373, 2494..2607, 2862..2907, 3037..3392		
GI Descrip.	3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine		

carboxypeptidase I [Arabidopsis thaliana]
>gi_3445213_gb_AAC32443.1_ (AC004786) putative serine
carboxypeptidase I [Arabidopsis thaliana]

Seq. No.	3338	Seq. ID	OJ991022_17.0225.C3
Gene No.	7117	Strand	+
Start	772	End	4161
Name	OJ991022_17.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	2209	End	2608
GI	none	Score	130
Exons	2209..2367, 2255..2371, 2491..2607, 2492..2608		

Seq. No.	3339	Seq. ID	OJ991022_17.0225.C4
Gene No.	7118	Strand	+
Start	4619	End	5835
Name	OJ991022_17.0225.C4.o2.gs	Method	GENSCAN
Start	4619	End	5835
GI	none	Score	.92
Exons	4619..5107, 5417..5536, 5570..5662, 5725..5835		

Seq. No.	3339	Seq. ID	OJ991022_17.0225.C4
Gene No.	7119	Strand	-
Start	36	End	2826
Name	OJ991022_17.0225.C4.o1.gs	Method	GENSCAN
Start	36	End	2826
GI	none	Score	.81
Exons	36..204, 322..511, 546..661, 976..1237, 1861..1980, 2237..2370, 2466..2589, 2817..2826		

Seq. No.	3339	Seq. ID	OJ991022_17.0225.C4
Gene No.	7119	Strand	-
Start	36	End	2826
Name	OJ991022_17.0225.C4.o1.np	Method	AAT/NAP
Start	1373	End	2664
GI	5777617	Score	105
Exons	1373..1555, 2540..2664		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3339	Seq. ID	OJ991022_17.0225.C4
Gene No.	7120	Strand	-
Start	6239	End	6765
Name	OJ991022_17.0225.C4.o3.gs	Method	GENSCAN
Start	6239	End	6765
GI	none	Score	.73
Exons	6239..6347, 6620..6765		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7121	Strand	+
Start	46	End	1049
Name	OJ991022_17.0225.C5.o1.gs	Method	GENSCAN
Start	46	End	1049
GI	none	Score	.9
Exons	46..532, 955..1049		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7122	Strand	+
Start	3550	End	5037

Name	OJ991022_17.0225.C5.o1.np	Method	AAT/NAP
Start	2395	End	5022
GI	2388565	Score	720
Exons	2395..2469, 3731..3870, 3966..4134, 4222..4427, 4531..4774, 4866..5022		
GI Descrip.	(AC000098) Similar to Prunus pectinesterase (gb|X95991). [Arabidopsis thaliana]		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7122	Strand	+
Start	3550	End	5037
Name	OJ991022_17.0225.C5.o2.gs	Method	GENSCAN
Start	3550	End	5037
GI	none	Score	.91
Exons	3550..3569, 3966..4134, 4531..4778, 4866..5037		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7123	Strand	+
Start	6308	End	7271
Name	OJ991022_17.0225.C5.o3.gs	Method	GENSCAN
Start	6308	End	7051
GI	none	Score	.94
Exons	6308..7051		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7123	Strand	+
Start	6308	End	7271
Name	OJ991022_17.0225.C5.o2.np	Method	AAT/NAP
Start	6311	End	7271
GI	3341686	Score	458
Exons	6311..6850, 6959..7051, 7223..7271		
GI Descrip.	(AC003672) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7124	Strand	-
Start	5343	End	5551
Name	OJ991022_17.0225.C5.o1.gp	Method	AAT/GAP
Start	5343	End	5551
GI	4138298	Score	301
Exons	5343..5551		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	3961	End	4424
GI	none	Score	69
Exons	3961..4125, 4221..4301, 4222..4305, 4308..4424, 4361..4411		

Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	4221	End	4731
GI	none	Score	81

Exons	4221..4304, 4222..4302, 4301..4411, 4305..4427, 4308..4433, 4557..4640, 4573..4644, 4612..4731		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o4.tm	Method	TBLASTX:Maize
Start	4221	End	4441
GI	none	Score	93
Exons	4221..4289, 4222..4305, 4301..4441, 4305..4424		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o3.tm	Method	TBLASTX:Maize
Start	4584	End	5007
GI	none	Score	170
Exons	4584..4739, 4585..4737, 4740..4781, 4866..4958, 4867..5007		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	4647	End	5007
GI	none	Score	104
Exons	4647..4736, 4648..4737, 4737..4772, 4861..5007, 4866..4958		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	6334	End	6601
GI	none	Score	56
Exons	6334..6378, 6371..6601, 6373..6495		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o3.ts	Method	TBLASTX:Soybean
Start	6371	End	6508
GI	none	Score	195
Exons	6371..6508, 6379..6495		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7125	Strand	-
Start	6461	End	6663
Name	OJ991022_17.0225.C5.o2.gp	Method	AAT/GAP
Start	6461	End	6663
GI	5005472	Score	334
Exons	6461..6663		
Seq. No.	3340	Seq. ID	OJ991022_17.0225.C5
Gene No.	7126	Strand	
Start	6737	End	7050
Name	OJ991022_17.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	6737	End	7050
GI	none	Score	293

Exons	6737..6949, 6745..7047, 6751..7050		
Seq. No.	3341	Seq. ID	OJ991022_17.0225.C6
Gene No.	7127	Strand	+
Start	1	End	3737
Name	OJ991022_17.0225.C6.o1.np	Method	AAT/NAP
Start	1	End	1773
GI	3341686	Score	610
Exons	1..220, 316..553, 1696..1773		
GI Descrip.	(AC003672) putative glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	3341	Seq. ID	OJ991022_17.0225.C6
Gene No.	7127	Strand	+
Start	1	End	3737
Name	OJ991022_17.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	80	End	553
GI	none	Score	182
Exons	80..223, 82..216, 313..552, 318..551, 392..553		
Seq. No.	3341	Seq. ID	OJ991022_17.0225.C6
Gene No.	7127	Strand	+
Start	1	End	3737
Name	OJ991022_17.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	315	End	1742
GI	none	Score	383
Exons	315..551, 316..552, 318..560, 323..580, 1673..1741, 1674..1742		
Seq. No.	3341	Seq. ID	OJ991022_17.0225.C6
Gene No.	7127	Strand	+
Start	1	End	3737
Name	OJ991022_17.0225.C6.o1.gs	Method	GENSCAN
Start	508	End	3737
GI	none	Score	.51
Exons	508..553, 714..737, 1696..1859, 1964..2074, 2749..2795, 3584..3737		
Seq. No.	3342	Seq. ID	OJ991022_17.0225.C7
Gene No.	7128	Strand	+
Start	2025	End	2432
Name	OJ991022_17.0225.C7.o1.gs	Method	GENSCAN
Start	2025	End	2432
GI	none	Score	.67
Exons	2025..2032, 2222..2432		
Seq. No.	3342	Seq. ID	OJ991022_17.0225.C7
Gene No.	7129	Strand	-
Start	2886	End	3401
Name	OJ991022_17.0225.C7.o2.gs	Method	GENSCAN
Start	2886	End	3401
GI	none	Score	.89
Exons	2886..3116, 3345..3401		
Seq. No.	3343	Seq. ID	OJ991022_17.0225.C8
Gene No.	7130	Strand	+
Start	3878	End	4999
Name	OJ991022_17.0225.C8.o1.gp	Method	AAT/GAP
Start	3857	End	4201

GI	uC-osf1M202049d04b1	Score	654
Exons	3857..4201		
GI Descrip.	'3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	3343	Seq. ID	OJ991022_17.0225.C8
Gene No.	7130	Strand	+
Start	3878	End	4999
Name	OJ991022_17.0225.C8.o2.gs	Method	GENSCAN
Start	3878	End	4999
GI	none	Score	.91
Exons	3878..4999		

Seq. No.	3343	Seq. ID	OJ991022_17.0225.C8
Gene No.	7130	Strand	+
Start	3878	End	4999
Name	OJ991022_17.0225.C8.o1.np	Method	AAT/NAP
Start	3941	End	4996
GI	4928399	Score	296
Exons	3941..4131, 4192..4514, 4545..4855, 4892..4996		
GI Descrip.	(AF132014) RING-H2 zinc finger protein ATL4 [Arabidopsis thaliana]		

Seq. No.	3343	Seq. ID	OJ991022_17.0225.C8
Gene No.	7130	Strand	+
Start	3878	End	4999
Name	OJ991022_17.0225.C8.o2.gp	Method	AAT/GAP
Start	4531	End	4847
GI	2442769	Score	563
Exons	4531..4847		

Seq. No.	3343	Seq. ID	OJ991022_17.0225.C8
Gene No.	7131	Strand	-
Start	618	End	1355
Name	OJ991022_17.0225.C8.o1.gs	Method	GENSCAN
Start	618	End	1355
GI	none	Score	.52
Exons	618..910, 1202..1355		

Seq. No.	3344	Seq. ID	OJ991022_17.0225.C9
Gene No.	7132	Strand	+
Start	1	End	2723
Name	OJ991022_17.0225.C9.o1.np	Method	AAT/NAP
Start	1	End	2723
GI	6063557	Score	355
Exons	1..304, 543..690, 2685..2723		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	3344	Seq. ID	OJ991022_17.0225.C9
Gene No.	7132	Strand	+
Start	1	End	2723
Name	OJ991022_17.0225.C9.o1.gs	Method	GENSCAN
Start	132	End	338
GI	none	Score	.91
Exons	132..338		

Seq. No.	3344	Seq. ID	OJ991022_17.0225.C9
Gene No.	7133	Strand	-
Start	627	End	2723
Name	OJ991022_17.0225.C9.o2.gs	Method	GENSCAN
Start	627	End	2677
GI	none	Score	.9
Exons	627..919, 1162..1282, 1830..1850, 2567..2677		

Seq. No.	3344	Seq. ID	OJ991022_17.0225.C9
Gene No.	7133	Strand	-
Start	627	End	2723
Name	OJ991022_17.0225.C9.o2.np	Method	AAT/NAP
Start	1197	End	2723
GI	6598839	Score	228
Exons	1197..1229, 1794..1850, 2051..2107, 2180..2265, 2373..2439, 2687..2723		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	3344	Seq. ID	OJ991022_17.0225.C9
Gene No.	7133	Strand	-
Start	627	End	2723
Name	OJ991022_17.0225.C9.o1.gp	Method	AAT/GAP
Start	1398	End	2404
GI	35170_1.R1084	Score	1329
Exons	1398..1850, 2051..2265, 2373..2404		
GI Descrip.	'4314356/gb|AAD15567| 5.0e-15 (AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]'		

Seq. No.	3344	Seq. ID	OJ991022_17.0225.C9
Gene No.	7133	Strand	-
Start	627	End	2723
Name	OJ991022_17.0225.C9.o1.tm	Method	TBLASTX:Maize
Start	2235	End	2716
GI	none	Score	55
Exons	2235..2267, 2235..2267, 2237..2284, 2365..2427, 2372..2452, 2373..2468, 2374..2475, 2375..2428, 2565..2702, 2567..2716, 2567..2713		

Seq. No.	3345	Seq. ID	OJ991022_17.0225.C10
Gene No.	7134	Strand	-
Start	1	End	3128
Name	OJ991022_17.0225.C10.o1.np	Method	AAT/NAP
Start	1	End	3128
GI	6598839	Score	355
Exons	1..189, 291..367, 577..711, 1182..1319, 2184..2231, 3043..3128		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	3345	Seq. ID	OJ991022_17.0225.C10
Gene No.	7134	Strand	-
Start	1	End	3128
Name	OJ991022_17.0225.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	2254
GI	none	Score	166
Exons	1..207, 1..189, 3..206, 288..341, 289..366, 289..384, 575..712, 576..713, 1158..1304, 1183..1326, 1194..1310, 1744..1767,		

1768..1809, 2140..2253, 2180..2254

Seq. No.	3345	Seq. ID	OJ991022_17.0225.C10
Gene No.	7134	Strand	-
Start	1	End	3128
Name	OJ991022_17.0225.C10.o1.gp	Method	AAT/GAP
Start	1	End	697
GI	2310587	Score	727
Exons	1..189, 291..367, 577..697		

Seq. No.	3345	Seq. ID	OJ991022_17.0225.C10
Gene No.	7134	Strand	-
Start	1	End	3128
Name	OJ991022_17.0225.C10.o1.gs	Method	GENSCAN
Start	707	End	2641
GI	none	Score	.72
Exons	707..745, 1195..1286, 1565..1597, 2184..2296, 2334..2641		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7135	Strand	+
Start	549	End	1251
Name	OJ991022_17.0225.C11.o1.gs	Method	GENSCAN
Start	549	End	1251
GI	none	Score	.54
Exons	549..743, 760..1251		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7136	Strand	+
Start	3847	End	7545
Name	OJ991022_17.0225.C11.o3.gs	Method	GENSCAN
Start	3847	End	7545
GI	none	Score	.74
Exons	3847..4398, 4653..4745, 4801..5014, 5364..5536, 6208..6237, 7453..7545		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7137	Strand	-
Start	1731	End	4373
Name	OJ991022_17.0225.C11.o1.np	Method	AAT/NAP
Start	1731	End	4373
GI	4239845	Score	481
Exons	1731..1814, 3904..4373		
GI Descrip.	(AB015855) transcription factor TEIL [Nicotiana tabacum]		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7138	Strand	-
Start	4665	End	6351
Name	OJ991022_17.0225.C11.o2.np	Method	AAT/NAP
Start	4665	End	6351
GI	4106690	Score	86
Exons	4665..4980, 6241..6351		
GI Descrip.	(AL035065) putative urea active transporter [Schizosaccharomyces pombe]		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7139	Strand	-
Start	7347	End	7508

Name	OJ991022_17.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	3967	End	4349
GI	none	Score	143
Exons	3967..4164, 3968..4099, 4161..4349, 4174..4347		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7139	Strand	-
Start	7347	End	7508
Name	OJ991022_17.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	3967	End	4362
GI	none	Score	170
Exons	3967..4098, 3968..4099, 4059..4118, 4105..4164, 4155..4349, 4162..4347, 4174..4362		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7139	Strand	-
Start	7347	End	7508
Name	OJ991022_17.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	3967	End	4349
GI	none	Score	204
Exons	3967..4104, 3968..4105, 4108..4164, 4161..4238, 4161..4349, 4162..4347		

Seq. No.	3346	Seq. ID	OJ991022_17.0225.C11
Gene No.	7139	Strand	-
Start	7347	End	7508
Name	OJ991022_17.0225.C11.o1.gp	Method	AAT/GAP
Start	7347	End	7508
GI	533_1.R1084	Score	169
Exons	7347..7386, 7409..7508		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7140	Strand	+
Start	84	End	9410
Name	OJ991022_17.0225.C12.o1.gs	Method	GENSCAN
Start	84	End	9410
GI	none	Score	.51
Exons	84..276, 976..1062, 1340..1392, 1527..1587, 1824..2873, 4323..4345, 4497..4583, 4599..4634, 4681..4851, 4951..5203, 6125..6288, 6449..6493, 6734..6799, 6884..7075, 7943..8095, 8125..8321, 9281..9410		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7140	Strand	+
Start	84	End	9410
Name	OJ991022_17.0225.C12.o1.np	Method	AAT/NAP
Start	1904	End	2953
GI	2832696	Score	872
Exons	1904..2953		
GI Descrip.	(AL021713) putative protein [Arabidopsis thaliana]		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7141	Strand	-

Start	11100	End	11280
Name	OJ991022_17.0225.C12.o2.gs	Method	GENSCAN
Start	11100	End	11280
GI	none	Score	.62
Exons	11100..11153, 11179..11280		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7142	Strand	-
Start	11812	End	12179
Name	OJ991022_17.0225.C12.o2.gp	Method	AAT/GAP
Start	11812	End	12179
GI	4714691	Score	682
Exons	11812..12179		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o2.tc	Method	TBLASTX:Cress
Start	1859	End	2056
GI	none	Score	252
Exons	1859..2056, 1861..2034		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o2.ts	Method	TBLASTX:Soybean
Start	1865	End	2236
GI	none	Score	212
Exons	1865..2059, 1882..2058, 1895..2071, 2117..2221, 2126..2236, 2146..2235		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	1931	End	2431
GI	none	Score	211
Exons	1931..2101, 1936..2103, 1937..2059, 2083..2304, 2104..2301, 2105..2341, 2114..2341, 2281..2430, 2282..2431		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o3.tc	Method	TBLASTX:Cress
Start	2120	End	2359
GI	none	Score	205
Exons	2120..2359, 2182..2340		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	2237	End	2872
GI	none	Score	114
Exons	2237..2359, 2239..2340, 2293..2862, 2306..2872, 2387..2863		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12

Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o1.tc	Method	TBLASTX:Cress
Start	2375	End	2812
GI	none	Score	452
Exons	2375..2812, 2383..2811		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o3.tm	Method	TBLASTX:Maize
Start	2432	End	2650
GI	none	Score	190
Exons	2432..2650, 2437..2649		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o2.tm	Method	TBLASTX:Maize
Start	2651	End	2931
GI	none	Score	42
Exons	2651..2677, 2676..2732, 2678..2911, 2680..2931, 2681..2881, 2781..2909		

Seq. No.	3347	Seq. ID	OJ991022_17.0225.C12
Gene No.	7143	Strand	-
Start	12294	End	12552
Name	OJ991022_17.0225.C12.o3.gs	Method	GENSCAN
Start	12294	End	12552
GI	none	Score	.85
Exons	12294..12403, 12456..12552		

Seq. No.	3348	Seq. ID	OJ991022_17.0225.C13
Gene No.	7144	Strand	-
Start	1	End	524
Name	OJ991022_17.0225.C13.o1.np	Method	AAT/NAP
Start	1	End	349
GI	3341680	Score	117
Exons	1..349		
GI Descrip.	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	3348	Seq. ID	OJ991022_17.0225.C13
Gene No.	7144	Strand	-
Start	1	End	524
Name	OJ991022_17.0225.C13.o1.gs	Method	GENSCAN
Start	14	End	355
GI	none	Score	.55
Exons	14..164, 192..355		

Seq. No.	3348	Seq. ID	OJ991022_17.0225.C13
Gene No.	7144	Strand	-
Start	1	End	524
Name	OJ991022_17.0225.C13.o1.gp	Method	AAT/GAP
Start	169	End	524
GI	none	Score	634
Exons	169..524		

Seq. No.	3348	Seq. ID	OJ991022_17.0225.C13
Gene No.	7145	Strand	-
Start	1685	End	2744
Name	OJ991022_17.0225.C13.o1.tm	Method	TBLASTX:Maize
Start	98	End	362
GI	none	Score	78
Exons	98..169, 99..155, 107..178, 141..179, 272..319, 297..320, 311..361, 312..362		

Seq. No.	3348	Seq. ID	OJ991022_17.0225.C13
Gene No.	7145	Strand	-
Start	1685	End	2744
Name	OJ991022_17.0225.C13.o2.gs	Method	GENSCAN
Start	1685	End	2744
GI	none	Score	.93
Exons	1685..1912, 2505..2744		

Seq. No.	3349	Seq. ID	OJ991022_17.0225.C14
Gene No.	7146	Strand	+
Start	1185	End	5237
Name	OJ991022_17.0225.C14.o1.gs	Method	GENSCAN
Start	1185	End	5237
GI	none	Score	.91
Exons	1185..1293, 1497..1676, 3788..3910, 4123..4522, 4608..4721, 5077..5237		

Seq. No.	3349	Seq. ID	OJ991022_17.0225.C14
Gene No.	7146	Strand	+
Start	1185	End	5237
Name	OJ991022_17.0225.C14.o2.np	Method	AAT/NAP
Start	2679	End	4522
GI	2245022	Score	89
Exons	2679..2711, 4194..4313, 4353..4522		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3349	Seq. ID	OJ991022_17.0225.C14
Gene No.	7147	Strand	-
Start	1	End	2489
Name	OJ991022_17.0225.C14.o1.np	Method	AAT/NAP
Start	1	End	2489
GI	6721547	Score	94
Exons	1..89, 2395..2489		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	3350	Seq. ID	OJ991022_17.0225.C15
Gene No.	7148	Strand	+
Start	116	End	654
Name	OJ991022_17.0225.C15.o1.gs	Method	GENSCAN
Start	116	End	654
GI	none	Score	.85
Exons	116..164, 464..654		

Seq. No.	3351	Seq. ID	OJ991022_17.0225.C17
Gene No.	7149	Strand	+
Start	1458	End	1515
Name	OJ991022_17.0225.C17.o1.gp	Method	AAT/GAP
Start	1458	End	1515

GI	16490_1.R1084	Score	90
Exons	1458..1515		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	3351	Seq. ID	OJ991022_17.0225.C17
Gene No.	7150	Strand	+
Start	1876	End	4687
Name	OJ991022_17.0225.C17.o1.np	Method	AAT/NAP
Start	1876	End	4687
GI	6539570	Score	177
Exons	1876..2079, 2315..2382, 4653..4687		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3351	Seq. ID	OJ991022_17.0225.C17
Gene No.	7151	Strand	-
Start	246	End	672
Name	OJ991022_17.0225.C17.o1.gs	Method	GENSCAN
Start	246	End	672
GI	none	Score	.62
Exons	246..303, 605..672		

Seq. No.	3351	Seq. ID	OJ991022_17.0225.C17
Gene No.	7152	Strand	-
Start	1885	End	3776
Name	OJ991022_17.0225.C17.o2.gs	Method	GENSCAN
Start	1885	End	3776
GI	none	Score	.59
Exons	1885..2211, 3705..3776		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7153	Strand	+
Start	739	End	2333
Name	OJ991022_17.0225.C18.o1.gs	Method	GENSCAN
Start	739	End	2333
GI	none	Score	.7
Exons	739..758, 888..1059, 2145..2333		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7154	Strand	+
Start	4273	End	7507
Name	OJ991022_17.0225.C18.o2.gs	Method	GENSCAN
Start	4273	End	7149
GI	none	Score	.87
Exons	4273..4429, 4797..4880, 4957..5174, 5640..6196, 6270..7149		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7154	Strand	+
Start	4273	End	7507
Name	OJ991022_17.0225.C18.o1.np	Method	AAT/NAP
Start	4312	End	7122
GI	4455276	Score	1485
Exons	4312..4429, 4996..5174, 5640..6196, 6270..7122		
GI Descrip.	(AL035527) peptide transporter-like protein [Arabidopsis thaliana]		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18

Gene No.	7154	Strand	+
Start	4273	End	7507
Name	OJ991022_17.0225.C18.o2.gp	Method	AAT/GAP
Start	6963	End	7507
GI	18443_1.R1084	Score	910
Exons	6963..7507		
GI Descrip.	'4455276/emb|CAB36812.1| 3.0e-26 (AL035527) peptide transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7155	Strand	+
Start	8765	End	8908
Name	OJ991022_17.0225.C18.o2.np	Method	AAT/NAP
Start	8765	End	8908
GI	6815099	Score	106
Exons	8765..8908		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7156	Strand	-
Start	6536	End	6949
Name	OJ991022_17.0225.C18.o1.gp	Method	AAT/GAP
Start	6536	End	6949
GI	4714603	Score	790
Exons	6536..6949		
GI Descrip.	4455276/emb|CAB36812.1| 3.0e-26 (AL035527) peptide transporter-like protein [Arabidopsis thaliana]		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7157	Strand	-
Start	7941	End	11008
Name	OJ991022_17.0225.C18.o1.ts	Method	TBLASTX:Soybean
Start	4330	End	6993
GI	none	Score	100
Exons	4330..4428, 4941..5171, 5715..5966, 5726..5926, 6027..6152, 6337..6483, 6502..6705, 6739..6993		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7157	Strand	-
Start	7941	End	11008
Name	OJ991022_17.0225.C18.o1.tc	Method	TBLASTX:Cress
Start	4342	End	6993
GI	none	Score	75
Exons	4342..4428, 4959..5174, 5069..5149, 5715..6152, 5768..5926, 6041..6097, 6265..6294, 6340..6477, 6345..6488, 6502..6705, 6739..6993, 6750..6992		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7157	Strand	-
Start	7941	End	11008
Name	OJ991022_17.0225.C18.o2.tm	Method	TBLASTX:Maize
Start	5733	End	6143
GI	none	Score	236
Exons	5733..6143, 5756..5908		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7157	Strand	-

Start	7941	End	11008
Name	OJ991022_17.0225.C18.o1.tm	Method	TBLASTX:Maize
Start	6333	End	6998
GI	none	Score	164
Exons	6333..6467, 6334..6477, 6490..6621, 6619..6696, 6739..6996, 6744..6998		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7157	Strand	-
Start	7941	End	11008
Name	OJ991022_17.0225.C18.o1.tw	Method	TBLASTX:Wheat
Start	6745	End	7064
GI	none	Score	244
Exons	6745..6993, 6751..6903, 6753..7064		

Seq. No.	3352	Seq. ID	OJ991022_17.0225.C18
Gene No.	7157	Strand	-
Start	7941	End	11008
Name	OJ991022_17.0225.C18.o3.gs	Method	GENSCAN
Start	7941	End	11008
GI	none	Score	.54
Exons	7941..8141, 9029..9084, 10660..10761, 10894..11008		

Seq. No.	3353	Seq. ID	OJ991022_17.0225.C19
Gene No.	7158	Strand	+
Start	2013	End	8437
Name	OJ991022_17.0225.C19.o1.gs	Method	GENSCAN
Start	2013	End	8383
GI	none	Score	.78
Exons	2013..2072, 2306..2389, 2515..2622, 3518..3606, 3713..3849, 3934..3983, 4234..4369, 4465..4580, 4900..4938, 5189..5434, 6414..6449, 6645..6713, 7168..7230, 7307..8383		

Seq. No.	3353	Seq. ID	OJ991022_17.0225.C19
Gene No.	7158	Strand	+
Start	2013	End	8437
Name	OJ991022_17.0225.C19.o1.np	Method	AAT/NAP
Start	6402	End	8437
GI	5730067	Score	1007
Exons	6402..6449, 6642..6696, 7157..7261, 7314..8437		
GI Descrip.	Snf2-related CBP activator protein gi|5106572|gb|AAD39760.1|AF143946_1 (AF143946) transcriptional activator SRCAP [Homo sapiens]		

Seq. No.	3353	Seq. ID	OJ991022_17.0225.C19
Gene No.	7158	Strand	+
Start	2013	End	8437
Name	OJ991022_17.0225.C19.o1.ts	Method	TBLASTX:Soybean
Start	7772	End	8362
GI	none	Score	153
Exons	7772..7912, 7813..7929, 7931..8362, 7933..8061, 8170..8322		

Seq. No.	3353	Seq. ID	OJ991022_17.0225.C19
Gene No.	7158	Strand	+
Start	2013	End	8437
Name	OJ991022_17.0225.C19.o1.tm	Method	TBLASTX:Maize
Start	7772	End	8362

GI	none	Score	514
Exons	7772..8362, 7796..7996, 7813..8058, 8098..8331		

Seq. No.	3354	Seq. ID	OJ991112_07.0211.C1
Gene No.	7159	Strand	+
Start	320	End	365
Name	OJ991112_07.0211.C1.o1.gs	Method	GENSCAN
Start	320	End	365
GI	none	Score	.64
Exons	320..365		

Seq. No.	3355	Seq. ID	OJ991112_07.0211.C2
Gene No.	7160	Strand	+
Start	111	End	458
Name	OJ991112_07.0211.C2.o1.gs	Method	GENSCAN
Start	111	End	458
GI	none	Score	.67
Exons	111..253, 349..458		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7161	Strand	+
Start	564	End	12793
Name	OJ991112_07.0211.C3.o1.np	Method	AAT/NAP
Start	564	End	4493
GI	3645898	Score	466
Exons	564..603, 1815..2750, 2793..3312, 4418..4493		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7161	Strand	+
Start	564	End	12793
Name	OJ991112_07.0211.C3.o1.gs	Method	GENSCAN
Start	1776	End	7472
GI	none	Score	.71
Exons	1776..2465, 2649..3008, 4772..5320, 5596..5776, 6307..7472		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7161	Strand	+
Start	564	End	12793
Name	OJ991112_07.0211.C3.o2.np	Method	AAT/NAP
Start	6953	End	12793
GI	4206306	Score	1262
Exons	6953..7014, 8717..11478, 12716..12793		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7161	Strand	+
Start	564	End	12793
Name	OJ991112_07.0211.C3.o2.gs	Method	GENSCAN
Start	7911	End	11541
GI	none	Score	.7
Exons	7911..8425, 8541..8692, 8738..9013, 9056..9626, 9757..9790, 10255..11541		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7162	Strand	+

Start	17213	End	20298
Name	OJ991112_07.0211.C3.o4.np	Method	AAT/NAP
Start	17213	End	20298
GI	6630685	Score	4408
Exons	17213..17284, 17575..20298		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7163	Strand	+
Start	24919	End	25967
Name	OJ991112_07.0211.C3.o5.gs	Method	GENSCAN
Start	24919	End	25967
GI	none	Score	.92
Exons	24919..25040, 25874..25967		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7164	Strand	+
Start	40813	End	45449
Name	OJ991112_07.0211.C3.o2.gp	Method	AAT/GAP
Start	40813	End	45449
GI	24743_1.R1084	Score	820
Exons	40813..40937, 43442..43513, 45168..45449		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7165	Strand	+
Start	59510	End	64899
Name	OJ991112_07.0211.C3.o8.np	Method	AAT/NAP
Start	58314	End	64896
GI	6498441	Score	6331
Exons	58314..58351, 59889..60504, 60836..61299, 61363..61736, 61920..62054, 62229..62952, 63124..64521, 64615..64896		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7165	Strand	+
Start	59510	End	64899
Name	OJ991112_07.0211.C3.o10.gs	Method	GENSCAN
Start	59510	End	64899
GI	none	Score	.63
Exons	59510..59521, 59630..59701, 59749..59818, 59911..60774, 60860..61299, 61363..62212, 62348..64899		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7166	Strand	-
Start	22671	End	33084
Name	OJ991112_07.0211.C3.o5.np	Method	AAT/NAP
Start	22671	End	32727
GI	5821153	Score	80
Exons	22671..22908, 23702..23920, 25398..25581, 29912..30082, 32700..32727		
GI Descrip.	(AB016092) RNA binding protein [Homo sapiens]		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7166	Strand	-
Start	22671	End	33084
Name	OJ991112_07.0211.C3.o6.gs	Method	GENSCAN
Start	26614	End	33084
GI	none	Score	.42
Exons	26614..26624, 27576..27601, 27714..27897, 28473..28706, 29231..29328, 29744..29831, 30018..30375, 30610..30893, 31401..32438, 32741..32786, 32845..33084		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7166	Strand	-
Start	22671	End	33084
Name	OJ991112_07.0211.C3.o6.np	Method	AAT/NAP
Start	28114	End	32463
GI	2586082	Score	4192
Exons	28114..29878, 29927..32463		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7167	Strand	-
Start	34116	End	39424
Name	OJ991112_07.0211.C3.o7.gs	Method	GENSCAN
Start	34116	End	39424
GI	none	Score	.77
Exons	34116..34225, 35406..35463, 35534..35757, 35837..35886, 39245..39334, 39384..39424		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7167	Strand	-
Start	34116	End	39424
Name	OJ991112_07.0211.C3.o1.gp	Method	AAT/GAP
Start	34255	End	34501
GI	3761181	Score	409
Exons	34255..34501		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7168	Strand	-
Start	52406	End	53153
Name	OJ991112_07.0211.C3.o9.gs	Method	GENSCAN
Start	52406	End	53153
GI	none	Score	.8
Exons	52406..52741, 52752..53153		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o10.tw	Method	TBLASTX:Wheat
Start	1881	End	2276
GI	none	Score	250
Exons	1881..1979, 1889..1981, 1890..2276		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707

Name	OJ991112_07.0211.C3.o12.tm	Method	TBLASTX:Maize
Start	2034	End	2435
GI	none	Score	212
Exons	2034..2435, 2070..2285		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o9.ts	Method	TBLASTX:Soybean
Start	8043	End	61170
GI	none	Score	197
Exons	8043..8441, 60742..60930, 60994..61170		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	8752	End	61833
GI	none	Score	316
Exons	8752..9195, 8802..9116, 9004..9192, 9138..9203, 61370..61813, 61371..61826, 61372..61833, 61372..61827		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o8.ts	Method	TBLASTX:Soybean
Start	8791	End	61776
GI	none	Score	135
Exons	8791..9015, 8802..8981, 9022..9156, 61411..61635, 61642..61776		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o7.tm	Method	TBLASTX:Maize
Start	8881	End	61845
GI	none	Score	245
Exons	8881..9210, 8895..9110, 61501..61845, 61536..61844		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o3.tm	Method	TBLASTX:Maize
Start	9226	End	62232
GI	none	Score	545
Exons	9226..9687, 9226..9615, 9375..9686, 61846..62232, 61995..62228		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o3.tw	Method	TBLASTX:Wheat
Start	9331	End	62361
GI	none	Score	247
Exons	9331..9693, 9375..9689, 9655..9756, 9684..9752, 61941..62336, 61942..62361		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-

Start	65522	End	67707
Name	OJ991112_07.0211.C3.o5.ts	Method	TBLASTX:Soybean
Start	9373	End	62391
GI	none	Score	215
Exons	9373..9654, 9411..9659, 9655..9843, 9699..9830, 62020..62391, 62037..62180		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o4.ts	Method	TBLASTX:Soybean
Start	9993	End	63357
GI	none	Score	152
Exons	9993..10145, 9994..10131, 10152..10406, 10153..10404, 62947..63045, 63112..63357		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o9.tw	Method	TBLASTX:Wheat
Start	10026	End	63258
GI	none	Score	102
Exons	10026..10127, 10027..10128, 10168..10308, 10170..10307, 62800..63021, 62824..63048, 62844..63065, 63109..63258, 63120..63257		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o8.tm	Method	TBLASTX:Maize
Start	10693	End	64089
GI	none	Score	208
Exons	10693..11025, 63766..64089, 63795..64076		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o8.tw	Method	TBLASTX:Wheat
Start	10699	End	64160
GI	none	Score	169
Exons	10699..11001, 11032..11088, 63775..64158, 63795..64082, 64104..64160		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o6.ts	Method	TBLASTX:Soybean
Start	10858	End	64302
GI	none	Score	215
Exons	10858..11256, 63958..64083, 64105..64197, 64213..64302		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	11164	End	64386
GI	none	Score	88

Exons	11164..11334, 17781..18053, 17783..18652, 17788..18525, 18529..18570, 30424..30717, 30524..30706, 30835..30900, 64228..64386		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o10.tm	Method	TBLASTX:Maize
Start	17047	End	17386
GI	none	Score	90
Exons	17047..17124, 17047..17118, 17057..17119, 17132..17371, 17144..17386, 17149..17385		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o7.tw	Method	TBLASTX:Wheat
Start	17162	End	31577
GI	none	Score	60
Exons	17162..17206, 31190..31363, 31195..31560, 31215..31577		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o5.tm	Method	TBLASTX:Maize
Start	17387	End	17779
GI	none	Score	88
Exons	17387..17506, 17395..17502, 17506..17778, 17511..17777, 17513..17779		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	17554	End	64359
GI	none	Score	266
Exons	17554..17778, 17555..17794, 17739..17846, 17805..17849, 17834..17857, 17863..18114, 17864..18115, 30574..30714, 64231..64359		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o7.ts	Method	TBLASTX:Soybean
Start	17735	End	31125
GI	none	Score	84
Exons	17735..17857, 30712..30885, 30904..31035, 31030..31125		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o3.ts	Method	TBLASTX:Soybean
Start	17960	End	30705
GI	none	Score	309
Exons	17960..18421, 17980..18270, 30274..30705		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3

Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	17996	End	30720
GI	none	Score	231
Exons	17996..18418, 30256..30720		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o11.tw	Method	TBLASTX:Wheat
Start	18122	End	30573
GI	none	Score	45
Exons	18122..18166, 18197..18418, 30244..30573, 30252..30398, 30422..30571		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o4.tm	Method	TBLASTX:Maize
Start	18655	End	29652
GI	none	Score	186
Exons	18655..18975, 18659..18976, 18661..18978, 29445..29528, 29529..29648, 29530..29652		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	18686	End	29648
GI	5509260	Score	230
Exons	18686..18901, 18686..18916, 18910..19185, 18911..19246, 18926..19249, 19237..19290, 19242..19292, 29139..29237, 29170..29238, 29235..29648, 29242..29511		
GI Descrip.	-		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o6.tw	Method	TBLASTX:Wheat
Start	18827	End	29489
GI	none	Score	85
Exons	18827..18901, 18930..19136, 18932..19246, 18934..19242, 18935..19249, 18993..19250, 19237..19263, 29157..29222, 29235..29489, 29347..29484		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o2.tc	Method	TBLASTX:Cress
Start	18893	End	29513
GI	none	Score	202
Exons	18893..19174, 18895..19134, 29256..29513, 29266..29502		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707

Name	OJ991112_07.0211.C3.o6.tm	Method	TBLASTX:Maize
Start	19096	End	29327
GI	none	Score	200
Exons	19096..19311, 19097..19312, 19234..19470, 19235..19378, 19236..19529, 19237..19530, 29100..29237, 29223..29327		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o4.tw	Method	TBLASTX:Wheat
Start	19468	End	28962
GI	none	Score	86
Exons	19468..19596, 19611..19703, 19729..19773, 19825..19878, 28525..28962, 28526..28957		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	19626	End	28773
GI	none	Score	112
Exons	19626..19709, 19634..19714, 19695..20336, 19696..20319, 20115..20348, 28123..28335, 28271..28354, 28351..28773, 28424..28645		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o2.ts	Method	TBLASTX:Soybean
Start	19644	End	28761
GI	none	Score	54
Exons	19644..19706, 19738..20031, 19746..20030, 20050..20283, 28165..28761, 28172..28567, 28634..28759		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o3.tc	Method	TBLASTX:Cress
Start	19825	End	28782
GI	none	Score	61
Exons	19825..19911, 19915..20049, 20067..20228, 20068..20280, 28135..28332, 28360..28488, 28603..28782		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o14.tw	Method	TBLASTX:Wheat
Start	19915	End	28488
GI	none	Score	99
Exons	19915..20040, 20059..20247, 28165..28344, 28363..28488		

Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o11.tm	Method	TBLASTX:Maize
Start	31195	End	31485
GI	none	Score	219

Exons	31195..31485		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o12.tw	Method	TBLASTX:Wheat
Start	31897	End	32145
GI	none	Score	80
Exons	31897..32145, 31925..32059		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o9.tm	Method	TBLASTX:Maize
Start	31942	End	32367
GI	none	Score	177
Exons	31942..32244, 31946..32209, 32098..32244, 32260..32367, 32262..32342		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o13.tm	Method	TBLASTX:Maize
Start	40797	End	45369
GI	none	Score	206
Exons	40797..40940, 40797..40940, 40849..40941, 43429..43512, 43441..43515, 43442..43540, 45166..45267, 45168..45275, 45227..45277, 45270..45335, 45277..45369, 45277..45369		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o5.tw	Method	TBLASTX:Wheat
Start	60720	End	61206
GI	none	Score	409
Exons	60720..60893, 60721..61206, 60915..61175		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o13.tw	Method	TBLASTX:Wheat
Start	63261	End	63573
GI	none	Score	194
Exons	63261..63437, 63274..63462, 63313..63573		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o11.gs	Method	GENSCAN
Start	65522	End	67660
GI	none	Score	.62
Exons	65522..67108, 67205..67389, 67493..67660		
Seq. No.	3356	Seq. ID	OJ991112_07.0211.C3
Gene No.	7169	Strand	-
Start	65522	End	67707
Name	OJ991112_07.0211.C3.o9.np	Method	AAT/NAP

Start	65525	End	67707
GI	6907089	Score	2555
Exons	65525..67389, 67493..67707		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3357	Seq. ID	OJ991112_07.0211.C4
Gene No.	7170	Strand	-
Start	1	End	1331
Name	OJ991112_07.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	912
GI	6907089	Score	1486
Exons	1..912		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3357	Seq. ID	OJ991112_07.0211.C4
Gene No.	7170	Strand	-
Start	1	End	1331
Name	OJ991112_07.0211.C4.o1.gs	Method	GENSCAN
Start	13	End	1331
GI	none	Score	.92
Exons	13..931, 1102..1217, 1272..1331		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7171	Strand	+
Start	133	End	1364
Name	OJ991112_07.0211.C5.o1.gs	Method	GENSCAN
Start	133	End	1364
GI	none	Score	.64
Exons	133..207, 559..729, 1353..1364		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7172	Strand	+
Start	11970	End	17512
Name	OJ991112_07.0211.C5.o3.gs	Method	GENSCAN
Start	11970	End	17512
GI	none	Score	.49
Exons	11970..12263, 13237..13300, 14405..14433, 14506..14529, 14875..15193, 15274..15718, 15917..16025, 16483..16642, 16711..16766, 16901..16962, 17014..17209, 17354..17512		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7173	Strand	-
Start	1937	End	10278
Name	OJ991112_07.0211.C5.o2.gs	Method	GENSCAN
Start	1937	End	10272
GI	none	Score	.47
Exons	1937..2169, 2402..2530, 3374..3605, 4941..5063, 5130..5287, 5756..5880, 6611..6761, 6785..7154, 7550..8194, 8432..8511, 9224..9448, 9561..9978, 10072..10272		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7173	Strand	-
Start	1937	End	10278
Name	OJ991112_07.0211.C5.o1.np	Method	AAT/NAP
Start	2109	End	3709
GI	2213632	Score	531
Exons	2109..2640, 3480..3709		

GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7173	Strand	-
Start	1937	End	10278
Name	OJ991112_07.0211.C5.o2.np	Method	AAT/NAP
Start	4902	End	10278
GI	2586082	Score	4147
Exons	4902..6365, 7392..7535, 7607..10278		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o3.np	Method	AAT/NAP
Start	14331	End	18380
GI	5902445	Score	1427
Exons	14331..14410, 16500..18380		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o4.gs	Method	GENSCAN
Start	17816	End	20554
GI	none	Score	.5
Exons	17816..18019, 18156..18286, 18360..18406, 18559..18802, 19125..19227, 19897..20039, 20091..20204, 20319..20503, 20505..20554		
Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o4.np	Method	AAT/NAP
Start	18447	End	22659
GI	5902444	Score	688
Exons	18447..20061, 20305..20549, 22515..22659		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o1.gp	Method	AAT/GAP
Start	21628	End	27282
GI	3004_1.R1084	Score	1074
Exons	21628..21687, 26748..27282		
GI Descrip.	'4508079/gb|AAD21423.1| 1.0e-46 (AC005882) 66284 [Arabidopsis thaliana]'		
Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o6.gs	Method	GENSCAN
Start	26800	End	27810
GI	none	Score	.41
Exons	26800..27810		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o5.np	Method	AAT/NAP
Start	26803	End	27828
GI	4508079	Score	1018
Exons	26803..27828		
GI Descrip.	(AC005882) 66284 [Arabidopsis thaliana]		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7174	Strand	-
Start	14331	End	27828
Name	OJ991112_07.0211.C5.o2.gp	Method	AAT/GAP
Start	27284	End	27822
GI	48919_1.R1084	Score	1045
Exons	27284..27822		
GI Descrip.	'4508079/gb|AAD21423.1| 2.0e-38 (AC005882) 66284 [Arabidopsis thaliana]'		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	2144	End	2619
GI	none	Score	73
Exons	2144..2215, 2144..2209, 2211..2252, 2213..2251, 2249..2284, 2282..2308, 2304..2618, 2307..2423, 2314..2619, 2446..2619		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o4.tw	Method	TBLASTX:Wheat
Start	2156	End	2576
GI	none	Score	96
Exons	2156..2284, 2166..2273, 2238..2288, 2239..2274, 2304..2381, 2307..2381, 2314..2382, 2318..2386, 2374..2553, 2391..2555, 2391..2576, 2401..2565		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o2.tc	Method	TBLASTX:Cress
Start	4926	End	5570
GI	none	Score	67
Exons	4926..5120, 5119..5277, 5154..5276, 5286..5375, 5391..5570		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	4935	End	5549
GI	none	Score	39
Exons	4935..5549, 4960..5127, 5034..5288, 5179..5355, 5422..5547		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510

Name	OJ991112_07.0211.C5.o3.tm	Method	TBLASTX:Maize
Start	4959	End	5423
GI	none	Score	96
Exons	4959..5246, 4960..5145, 4962..5186, 5197..5247, 5247..5369, 5248..5382, 5253..5381, 5361..5423		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o3.tw	Method	TBLASTX:Wheat
Start	5313	End	5750
GI	none	Score	213
Exons	5313..5750, 5314..5745, 5316..5750		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o7.tm	Method	TBLASTX:Maize
Start	5424	End	5616
GI	none	Score	194
Exons	5424..5615, 5425..5616		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o4.tc	Method	TBLASTX:Cress
Start	5616	End	5864
GI	none	Score	198
Exons	5616..5864		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o4.tm	Method	TBLASTX:Maize
Start	5685	End	6122
GI	none	Score	45
Exons	5685..6011, 5731..5778, 5836..6012, 6027..6122, 6031..6099		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o7.tw	Method	TBLASTX:Wheat
Start	5751	End	6244
GI	none	Score	69
Exons	5751..5927, 5919..6017, 6027..6173, 6031..6096, 6175..6243, 6176..6244		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o3.ts	Method	TBLASTX:Soybean
Start	5829	End	6152
GI	none	Score	75
Exons	5829..6011, 5890..6012, 6015..6152, 6019..6129		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-

Start	28906	End	33510
Name	OJ991112_07.0211.C5.o3.tc	Method	TBLASTX:Cress
Start	6036	End	6291
GI	none	Score	128
Exons	6036..6173, 6175..6291		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o5.tw	Method	TBLASTX:Wheat
Start	8066	End	8435
GI	none	Score	73
Exons	8066..8422, 8244..8435		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	8078	End	8542
GI	none	Score	71
Exons	8078..8542, 8259..8537		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o5.ts	Method	TBLASTX:Soybean
Start	8096	End	8512
GI	none	Score	246
Exons	8096..8512		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o8.tm	Method	TBLASTX:Maize
Start	8108	End	8530
GI	none	Score	68
Exons	8108..8419, 8244..8426, 8441..8530		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o6.ts	Method	TBLASTX:Soybean
Start	8534	End	8947
GI	none	Score	69
Exons	8534..8704, 8726..8857, 8852..8947		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	9013	End	9383
GI	none	Score	219
Exons	9013..9366, 9018..9383		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510

Name	OJ991112_07.0211.C5.o9.tm	Method	TBLASTX:Maize
Start	9013	End	9308
GI	none	Score	88
Exons	9013..9231, 9018..9308, 9019..9306		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o10.tw	Method	TBLASTX:Wheat
Start	9712	End	9936
GI	none	Score	199
Exons	9712..9936		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o5.tm	Method	TBLASTX:Maize
Start	9757	End	10182
GI	none	Score	121
Exons	9757..10059, 9812..10018, 10067..10153, 10075..10182		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o8.tw	Method	TBLASTX:Wheat
Start	16887	End	27562
GI	none	Score	47
Exons	16887..16952, 16887..17042, 17057..17293, 17064..17237, 27437..27562		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o9.tw	Method	TBLASTX:Wheat
Start	17439	End	17808
GI	none	Score	72
Exons	17439..17537, 17441..17524, 17532..17762, 17535..17690, 17536..17802, 17536..17808, 17740..17802		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o6.tm	Method	TBLASTX:Maize
Start	17974	End	18305
GI	none	Score	118
Exons	17974..18126, 18108..18305, 18109..18264, 18132..18275		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	17980	End	18434
GI	none	Score	119
Exons	17980..18126, 17981..18127, 18001..18138, 18106..18417, 18108..18434		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5

Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o6.tw	Method	TBLASTX:Wheat
Start	18616	End	19070
GI	none	Score	60
Exons	18616..18723, 18627..18788, 18762..18851, 18800..18850, 18909..19070, 18910..19065		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	26792	End	27720
GI	none	Score	534
Exons	26792..27271, 26794..27264, 26818..27636, 26819..27637, 27628..27720, 27629..27712		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	26923	End	27219
GI	none	Score	256
Exons	26923..27219, 26933..27217, 26938..27219		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o4.ts	Method	TBLASTX:Soybean
Start	27223	End	27510
GI	none	Score	165
Exons	27223..27390, 27224..27391, 27334..27399, 27400..27432, 27403..27510, 27404..27493		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o7.ts	Method	TBLASTX:Soybean
Start	27511	End	27720
GI	none	Score	92
Exons	27511..27633, 27512..27634, 27640..27720		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o7.gs	Method	GENSCAN
Start	28906	End	32992
GI	none	Score	.63
Exons	28906..28941, 29063..29149, 29972..30046, 31014..31157, 32100..32132, 32888..32992		

Seq. No.	3358	Seq. ID	OJ991112_07.0211.C5
Gene No.	7175	Strand	-
Start	28906	End	33510
Name	OJ991112_07.0211.C5.o6.np	Method	AAT/NAP
Start	31721	End	33510
GI	5902448	Score	331

Exons	31721..31834, 32996..33510		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	3359	Seq. ID	OJ991112_07.0211.C7
Gene No.	7176	Strand	+
Start	115	End	521
Name	OJ991112_07.0211.C7.o1.gp	Method	AAT/GAP
Start	115	End	443
GI	LIB3431-002-P1-N1-A10	Score	644
Exons	115..443		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	3359	Seq. ID	OJ991112_07.0211.C7
Gene No.	7176	Strand	+
Start	115	End	521
Name	OJ991112_07.0211.C7.o1.gs	Method	GENSCAN
Start	261	End	521
GI	none	Score	.54
Exons	261..521		
Seq. No.	3360	Seq. ID	OJ991112_07.0211.C8
Gene No.	7177	Strand	-
Start	1	End	695
Name	OJ991112_07.0211.C8.o1.np	Method	AAT/NAP
Start	1	End	695
GI	6692258	Score	69
Exons	1..231, 677..695		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		
Seq. No.	3360	Seq. ID	OJ991112_07.0211.C8
Gene No.	7177	Strand	-
Start	1	End	695
Name	OJ991112_07.0211.C8.o1.gs	Method	GENSCAN
Start	31	End	206
GI	none	Score	.94
Exons	31..206		
Seq. No.	3360	Seq. ID	OJ991112_07.0211.C8
Gene No.	7177	Strand	-
Start	1	End	695
Name	OJ991112_07.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	73	End	205
GI	none	Score	148
Exons	73..204, 77..205		
Seq. No.	3361	Seq. ID	OJ991022_09.0210.C1
Gene No.	7178	Strand	+
Start	634	End	1002
Name	OJ991022_09.0210.C1.o1.gs	Method	GENSCAN
Start	634	End	1002
GI	none	Score	.51
Exons	634..713, 885..1002		
Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7179	Strand	+
Start	1	End	302

Name	OJ991022_09.0210.C3.o1.np	Method	AAT/NAP
Start	1	End	302
GI	5922619	Score	104
Exons	1..42, 195..302		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7180	Strand	+
Start	2347	End	2769
Name	OJ991022_09.0210.C3.o1.gs	Method	GENSCAN
Start	2347	End	2769
GI	none	Score	.8
Exons	2347..2769		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7181	Strand	+
Start	3270	End	3605
Name	OJ991022_09.0210.C3.o2.gs	Method	GENSCAN
Start	3270	End	3535
GI	none	Score	.48
Exons	3270..3535		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7181	Strand	+
Start	3270	End	3605
Name	OJ991022_09.0210.C3.o3.np	Method	AAT/NAP
Start	3270	End	3605
GI	3915111	Score	453
Exons	3270..3605		
GI Descrip.	TRANS-CINNAMATE 4-MONOOXYGENASE (CINNAMIC ACID 4-HYDROXYLASE) (CA4H) (C4H) (P450C4H) (CYTOCHROME P450 73) gi|1044868|emb|CAA63172| (X92437) cinnamic acid 4-hydroxylase [Glycine max]		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7182	Strand	-
Start	441	End	523
Name	OJ991022_09.0210.C3.o2.np	Method	AAT/NAP
Start	441	End	523
GI	6630699	Score	70
Exons	441..523		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7183	Strand	
Start	3240	End	3605
Name	OJ991022_09.0210.C3.o1.tw	Method	TBLASTX:Wheat
Start	3240	End	3605
GI	none	Score	308
Exons	3240..3398, 3269..3532, 3348..3533, 3535..3603, 3537..3605		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7183	Strand	

Start	3240	End	3605
Name	OJ991022_09.0210.C3.o1.tm	Method	TBLASTX:Maize
Start	3269	End	3600
GI	none	Score	314
Exons	3269..3532, 3348..3533, 3462..3533, 3531..3548, 3532..3600, 3535..3600		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7183	Strand	
Start	3240	End	3605
Name	OJ991022_09.0210.C3.o1.ts	Method	TBLASTX:Soybean
Start	3321	End	3604
GI	none	Score	285
Exons	3321..3398, 3348..3533, 3386..3529, 3535..3603, 3542..3604		

Seq. No.	3362	Seq. ID	OJ991022_09.0210.C3
Gene No.	7183	Strand	
Start	3240	End	3605
Name	OJ991022_09.0210.C3.o1.tc	Method	TBLASTX:Cress
Start	3348	End	3604
GI	none	Score	275
Exons	3348..3566, 3389..3520, 3535..3603, 3545..3604		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7184	Strand	+
Start	1	End	1097
Name	OJ991022_09.0210.C4.o1.np	Method	AAT/NAP
Start	1	End	1094
GI	1351206	Score	1313
Exons	1..190, 287..420, 497..1094		
GI Descrip.	TRANS-CINNAMATE 4-MONOOXYGENASE (CINNAMIC ACID 4-HYDROXYLASE) (CA4H) (C4H) (P450C4H) (CYTOCHROME P450 73) gi|629663|pir||S44169 trans-cinnamate 4-monooxygenase (EC 1.14.13.11) cytochrome P450 73 - Madagascar periwinkle gi|2129922|pir||S68204 trans-cinnamate 4-monooxygenase (EC 1.14.13.11) - Madagascar periwinkle gi|473229|emb|CAA83552| (Z32563) cinnamate 4-hydroxyl		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7184	Strand	+
Start	1	End	1097
Name	OJ991022_09.0210.C4.o1.gs	Method	GENSCAN
Start	60	End	1097
GI	none	Score	.88
Exons	60..190, 287..420, 505..1097		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o1.tc	Method	TBLASTX:Cress
Start	3	End	1088
GI	none	Score	285
Exons	3..191, 285..437, 293..367, 483..542, 493..543, 546..749, 549..800, 617..799, 858..1088, 860..1075		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+

Start	3645	End	6360
Name	OJ991022_09.0210.C4.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1100
GI	none	Score	297
Exons	3..191, 271..321, 285..320, 296..367, 312..437, 483..542, 493..543, 537..764, 549..800, 617..799, 860..1075, 861..1100		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o1.tm	Method	TBLASTX:Maize
Start	3	End	1098
GI	none	Score	250
Exons	3..200, 324..437, 329..367, 483..542, 493..543, 546..764, 548..1075, 549..800, 858..1085, 975..1082, 1006..1098		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o1.tw	Method	TBLASTX:Wheat
Start	878	End	1085
GI	none	Score	258
Exons	878..1066, 879..1085		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o2.gs	Method	GENSCAN
Start	3645	End	6360
GI	none	Score	.63
Exons	3645..3681, 3943..4074, 5242..5303, 5843..5994, 6201..6360		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o2.tc	Method	TBLASTX:Cress
Start	3942	End	4152
GI	none	Score	199
Exons	3942..4088, 3943..4104, 3949..4095, 4093..4152		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o2.ts	Method	TBLASTX:Soybean
Start	3948	End	4076
GI	none	Score	198
Exons	3948..4076, 3949..4074		

Seq. No.	3363	Seq. ID	OJ991022_09.0210.C4
Gene No.	7185	Strand	+
Start	3645	End	6360
Name	OJ991022_09.0210.C4.o2.np	Method	AAT/NAP
Start	3949	End	6360
GI	4895220	Score	527
Exons	3949..4074, 5205..5303, 5843..5994, 6288..6360		
GI Descrip.	(AC007660) unknown protein [Arabidopsis thaliana]		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o1.np	Method	AAT/NAP
Start	1	End	3918
GI	4895220	Score	992
Exons	1..51, 179..300, 935..1062, 1439..1589, 1671..1781, 1884..2000, 2082..2171, 2434..2487, 3118..3193, 3291..3390, 3624..3918		
GI Descrip.	(AC007660) unknown protein [Arabidopsis thaliana]		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o1.gs	Method	GENSCAN
Start	192	End	3390
GI	none	Score	.85
Exons	192..300, 935..1014, 1195..1276, 1450..1589, 1671..1781, 1884..2000, 2082..2171, 2592..2666, 3118..3193, 3291..3390		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o1.gp	Method	AAT/GAP
Start	232	End	1791
GI	uC-osflcyp078d08b1	Score	881
Exons	232..300, 935..1014, 1195..1276, 1450..1589, 1671..1791		
GI Descrip.	'4895220/gb|AAD32806.1|AC007660_7 2.0e-58 (AC007660) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o2.tm	Method	TBLASTX:Maize
Start	1459	End	1709
GI	none	Score	205
Exons	1459..1587, 1460..1591, 1461..1595, 1667..1708, 1671..1709		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o1.ts	Method	TBLASTX:Soybean
Start	1670	End	1985
GI	none	Score	142
Exons	1670..1783, 1671..1784, 1691..1792, 1872..1985, 1883..1981		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o1.tm	Method	TBLASTX:Maize
Start	1710	End	3394
GI	none	Score	106
Exons	1710..1775, 1710..1775, 1711..1785, 1712..1795, 1712..1786, 1868..2023, 1868..2002, 1884..2024, 1884..2066, 2066..2170, 2078..2167, 2079..2174, 2083..2175, 2427..2489, 2436..2489, 2437..2490, 2589..2666, 2590..2670, 2595..2666, 3117..3194, 3117..3212, 3118..3228, 3283..3381, 3286..3390, 3287..3385, 3290..3394, 3294..3389		

Seq. No.	3364	Seq. ID	OJ991022_09.0210.C5
Gene No.	7186	Strand	+
Start	1	End	3918
Name	OJ991022_09.0210.C5.o2.gp	Method	AAT/GAP
Start	2426	End	3390
GI	58765_1.R1084	Score	507
Exons	2426..2487, 2592..2666, 3118..3193, 3291..3390		
GI Descrip.	'4895220/gb|AAD32806.1|AC007660_7 6.0e-36 (AC007660) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3365	Seq. ID	OJ991022_09.0210.C6
Gene No.	7187	Strand	+
Start	82	End	691
Name	OJ991022_09.0210.C6.o1.gs	Method	GENSCAN
Start	82	End	685
GI	none	Score	.94
Exons	82..685		

Seq. No.	3365	Seq. ID	OJ991022_09.0210.C6
Gene No.	7187	Strand	+
Start	82	End	691
Name	OJ991022_09.0210.C6.o1.tm	Method	TBLASTX:Maize
Start	416	End	691
GI	none	Score	211
Exons	416..691, 482..691		

Seq. No.	3366	Seq. ID	OJ991022_09.0210.C8
Gene No.	7188	Strand	-
Start	1573	End	1851
Name	OJ991022_09.0210.C8.o1.gs	Method	GENSCAN
Start	1573	End	1851
GI	none	Score	.6
Exons	1573..1851		

Seq. No.	3367	Seq. ID	OJ991022_09.0210.C9
Gene No.	7189	Strand	+
Start	767	End	4831
Name	OJ991022_09.0210.C9.o1.gs	Method	GENSCAN
Start	767	End	3936
GI	none	Score	.62
Exons	767..808, 1239..1530, 1954..2005, 2738..2853, 3443..3936		

Seq. No.	3367	Seq. ID	OJ991022_09.0210.C9
Gene No.	7189	Strand	+
Start	767	End	4831
Name	OJ991022_09.0210.C9.o3.np	Method	AAT/NAP
Start	2347	End	4831
GI	6907086	Score	719
Exons	2347..2383, 3279..3916, 3974..4242, 4468..4831		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3367	Seq. ID	OJ991022_09.0210.C9
Gene No.	7190	Strand	-
Start	457	End	917
Name	OJ991022_09.0210.C9.o1.np	Method	AAT/NAP
Start	457	End	917

GI	3342234	Score	40
Exons	457..737, 837..917		
GI Descrip.	(U93909) nuclear antigen EBNA-1 [Cercopithecine herpesvirus 15]		

Seq. No.	3367	Seq. ID	OJ991022_09.0210.C9
Gene No.	7191	Strand	-
Start	1008	End	2467
Name	OJ991022_09.0210.C9.o2.np	Method	AAT/NAP
Start	1008	End	2467
GI	4539658	Score	120
Exons	1008..1156, 2413..2467		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7192	Strand	+
Start	64	End	6706
Name	OJ991022_09.0210.C10.o1.gs	Method	GENSCAN
Start	64	End	6706
GI	none	Score	.46
Exons	64..124, 460..637, 674..2426, 2441..3107, 3171..4562, 4685..6250, 6260..6706		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7192	Strand	+
Start	64	End	6706
Name	OJ991022_09.0210.C10.o1.np	Method	AAT/NAP
Start	1250	End	6703
GI	6498441	Score	7142
Exons	1250..2314, 2644..3107, 3171..3544, 3728..3862, 4037..4759, 4931..6328, 6422..6703		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7193	Strand	+
Start	9551	End	15143
Name	OJ991022_09.0210.C10.o4.np	Method	AAT/NAP
Start	9551	End	14673
GI	3600061	Score	101
Exons	9551..9574, 13566..13635, 14534..14673		
GI Descrip.	(AF080120) contains similarity to DNA binding proteins [Arabidopsis thaliana] gi|4850286|emb|CAB43042.1| (AL049876) putative protein [Arabidopsis thaliana]		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7193	Strand	+
Start	9551	End	15143
Name	OJ991022_09.0210.C10.o3.gs	Method	GENSCAN
Start	12989	End	15143
GI	none	Score	.93
Exons	12989..13368, 13549..13635, 14534..15143		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7194	Strand	+
Start	15208	End	15603

Name	OJ991022_09.0210.C10.o1.gp	Method	AAT/GAP
Start	15208	End	15603
GI	LIB3433-003-Q6-K6-B7	Score	697
Exons	15208..15603		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7195	Strand	-
Start	7329	End	12347
Name	OJ991022_09.0210.C10.o2.gs	Method	GENSCAN
Start	7329	End	12238
GI	none	Score	.58
Exons	7329..7873, 7924..9188, 9283..9451, 9479..9681, 9823..10289, 10401..10563, 11360..11561, 11695..11777, 12192..12238		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7195	Strand	-
Start	7329	End	12347
Name	OJ991022_09.0210.C10.o2.np	Method	AAT/NAP
Start	7332	End	10544
GI	6907089	Score	4449
Exons	7332..9188, 9283..10544		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7195	Strand	-
Start	7329	End	12347
Name	OJ991022_09.0210.C10.o3.np	Method	AAT/NAP
Start	9645	End	12347
GI	5922623	Score	180
Exons	9645..9681, 11360..11436, 11624..11776, 12262..12347		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o6.tw	Method	TBLASTX:Wheat
Start	1402	End	1791
GI	none	Score	44
Exons	1402..1446, 1453..1551, 1470..1550, 1518..1757, 1534..1791		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o4.tm	Method	TBLASTX:Maize
Start	1426	End	1689
GI	none	Score	200
Exons	1426..1689, 1443..1688		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o3.tw	Method	TBLASTX:Wheat
Start	2528	End	10955

GI	none	Score	400
Exons	2528..2701, 2529..3014, 2723..2983, 10899..10955		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o1.tw	Method	TBLASTX:Wheat
Start	3179	End	3641
GI	none	Score	582
Exons	3179..3634, 3180..3641, 3180..3635		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o3.ts	Method	TBLASTX:Soybean
Start	3219	End	3584
GI	none	Score	114
Exons	3219..3443, 3450..3584		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o1.tm	Method	TBLASTX:Maize
Start	3309	End	3665
GI	none	Score	388
Exons	3309..3665, 3344..3655, 3549..3665		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o2.tm	Method	TBLASTX:Maize
Start	3692	End	4076
GI	none	Score	361
Exons	3692..4057, 3693..4076		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o2.tw	Method	TBLASTX:Wheat
Start	3749	End	4169
GI	none	Score	491
Exons	3749..4144, 3750..4169		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o1.ts	Method	TBLASTX:Soybean
Start	3828	End	4199
GI	none	Score	281
Exons	3828..4199, 3845..3988		

Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o5.tw	Method	TBLASTX:Wheat
Start	4631	End	5065
GI	none	Score	235

Exons	4631..4882, 4631..4828, 4696..4881, 4916..5065, 4927..5064		
Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o2.ts	Method	TBLASTX:Soybean
Start	4754	End	5320
GI	5666795	Score	67
Exons	4754..4852, 4928..5065, 5120..5320		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o8.tw	Method	TBLASTX:Wheat
Start	5068	End	5362
GI	none	Score	186
Exons	5068..5166, 5120..5362		
Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o3.tm	Method	TBLASTX:Maize
Start	5573	End	5916
GI	none	Score	358
Exons	5573..5896, 5602..5883, 5767..5916		
Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o4.tw	Method	TBLASTX:Wheat
Start	5710	End	6091
GI	none	Score	364
Exons	5710..6060, 5711..6091		
Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o7.tw	Method	TBLASTX:Wheat
Start	6092	End	9510
GI	none	Score	251
Exons	6092..6382, 6097..6375, 6568..6690, 6569..6694, 9427..9510		
Seq. No.	3368	Seq. ID	OJ991022_09.0210.C10
Gene No.	7196	Strand	-
Start	16686	End	16903
Name	OJ991022_09.0210.C10.o6.np	Method	AAT/NAP
Start	16686	End	16903
GI	6069646	Score	128
Exons	16686..16903		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	3369	Seq. ID	OJ991022_09.0210.C11

Gene No.	7197	Strand	-
Start	10	End	885
Name	OJ991022_09.0210.C11.o1.gs	Method	GENSCAN
Start	10	End	885
GI	none	Score	.82
Exons	10..300, 825..885		

Seq. No.	3369	Seq. ID	OJ991022_09.0210.C11
Gene No.	7198	Strand	-
Start	2410	End	2851
Name	OJ991022_09.0210.C11.o2.gs	Method	GENSCAN
Start	2410	End	2851
GI	none	Score	.63
Exons	2410..2437, 2746..2851		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7199	Strand	+
Start	184	End	945
Name	OJ991022_09.0210.C12.o1.gs	Method	GENSCAN
Start	184	End	945
GI	none	Score	.98
Exons	184..945		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o2.gs	Method	GENSCAN
Start	1394	End	2722
GI	none	Score	.99
Exons	1394..2201, 2325..2722		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o3.tw	Method	TBLASTX:Wheat
Start	1562	End	1882
GI	none	Score	182
Exons	1562..1882, 1636..1827		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o1.tm	Method	TBLASTX:Maize
Start	1727	End	2155
GI	none	Score	370
Exons	1727..2053, 1735..2052, 2057..2155, 2071..2154		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o1.np	Method	AAT/NAP
Start	1772	End	3971
GI	2213632	Score	777
Exons	1772..2519, 3944..3971		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12

Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o1.tw	Method	TBLASTX:Wheat
Start	1886	End	2293
GI	none	Score	223
Exons	1886..2050, 1888..2046, 2057..2293, 2074..2292		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o2.tm	Method	TBLASTX:Maize
Start	2156	End	2494
GI	none	Score	222
Exons	2156..2389, 2248..2388, 2429..2494, 2429..2491		

Seq. No.	3370	Seq. ID	OJ991022_09.0210.C12
Gene No.	7200	Strand	+
Start	1394	End	3971
Name	OJ991022_09.0210.C12.o2.tw	Method	TBLASTX:Wheat
Start	2294	End	2506
GI	none	Score	198
Exons	2294..2506, 2296..2490, 2369..2491		

Seq. No.	3371	Seq. ID	OJ991022_09.0210.C13
Gene No.	7201	Strand	+
Start	14990	End	15639
Name	OJ991022_09.0210.C13.o4.gs	Method	GENSCAN
Start	14990	End	15639
GI	none	Score	.63
Exons	14990..15197, 15417..15639		

Seq. No.	3371	Seq. ID	OJ991022_09.0210.C13
Gene No.	7202	Strand	-
Start	508	End	4138
Name	OJ991022_09.0210.C13.o1.gs	Method	GENSCAN
Start	508	End	4138
GI	none	Score	.8
Exons	508..682, 722..782, 2530..4138		

Seq. No.	3371	Seq. ID	OJ991022_09.0210.C13
Gene No.	7203	Strand	-
Start	4492	End	15653
Name	OJ991022_09.0210.C13.o2.gs	Method	GENSCAN
Start	4492	End	11485
GI	none	Score	.74
Exons	4492..4635, 6492..6667, 6882..6975, 7069..7202, 7568..7757, 9331..9952, 10962..11099, 11196..11485		

Seq. No.	3371	Seq. ID	OJ991022_09.0210.C13
Gene No.	7203	Strand	-
Start	4492	End	15653
Name	OJ991022_09.0210.C13.o1.np	Method	AAT/NAP
Start	7222	End	15653
GI	2317934	Score	173
Exons	7222..7869, 9533..9888, 15089..15653		
GI Descrip.	(U97553) unknown [murine herpesvirus 68]		

Seq. No.	3371	Seq. ID	OJ991022_09.0210.C13
Gene No.	7203	Strand	-
Start	4492	End	15653
Name	OJ991022_09.0210.C13.o3.gs	Method	GENSCAN
Start	12045	End	14159
GI	none	Score	.61
Exons	12045..12221, 12413..12529, 13809..13871, 13989..14159		

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7204	Strand	+
Start	226	End	864
Name	OJ991022_09.0210.C14.o1.gs	Method	GENSCAN
Start	226	End	864
GI	none	Score	.54
Exons	226..388, 725..864		

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7205	Strand	+
Start	8645	End	9705
Name	OJ991022_09.0210.C14.o3.gs	Method	GENSCAN
Start	8645	End	9705
GI	none	Score	.85
Exons	8645..8720, 8825..9143, 9320..9349, 9480..9705		

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o2.gs	Method	GENSCAN
Start	1219	End	7653
GI	none	Score	.61
Exons	1219..1789, 7490..7653		

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o1.np	Method	AAT/NAP
Start	1548	End	17169
GI	188864	Score	206
Exons	1548..1727, 9427..9631, 12130..12179, 15315..15441, 15478..16227, 17114..17169		
GI Descrip.	(M74027) mucin [Homo sapiens]		

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o4.gs	Method	GENSCAN
Start	10162	End	12364
GI	none	Score	.83
Exons	10162..10416, 10812..11006, 12296..12364		

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o3.np	Method	AAT/NAP
Start	10163	End	22545
GI	4938502	Score	62
Exons	10163..10421, 15605..15763, 19518..19580, 22486..22545		

GI Descrip. (AL078465) putative protein [Arabidopsis thaliana]

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o1.gp	Method	AAT/GAP
Start	12519	End	12950
GI	LIB3479-006-Q6-K1-B11	Score	600
Exons	12519..12950		

GI Descrip. '5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o2.np	Method	AAT/NAP
Start	17504	End	21181
GI	6063557	Score	352
Exons	17504..17676, 17925..18103, 18645..18706, 21157..21181		

GI Descrip. (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]

Seq. No.	3372	Seq. ID	OJ991022_09.0210.C14
Gene No.	7206	Strand	-
Start	1219	End	23102
Name	OJ991022_09.0210.C14.o6.gs	Method	GENSCAN
Start	18998	End	23102
GI	none	Score	.89
Exons	18998..19580, 19641..19812, 20408..20518, 20648..20676, 22486..22593, 22870..23102		

Seq. No.	3373	Seq. ID	OJ991022_09.0210.C16
Gene No.	7207	Strand	-
Start	11	End	145
Name	OJ991022_09.0210.C16.o1.gs	Method	GENSCAN
Start	11	End	145
GI	none	Score	.77
Exons	11..145		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7208	Strand	+
Start	2697	End	4723
Name	OJ991022_09.0210.C17.o1.gp	Method	AAT/GAP
Start	2651	End	3426
GI	none	Score	1083
Exons	2651..2986, 3201..3426		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7208	Strand	+
Start	2697	End	4723
Name	OJ991022_09.0210.C17.o2.gs	Method	GENSCAN
Start	2697	End	4692
GI	none	Score	.62
Exons	2697..2986, 3075..3696, 4495..4692		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7208	Strand	+
Start	2697	End	4723

Name	OJ991022_09.0210.C17.o3.gp	Method	AAT/GAP
Start	4302	End	4723
GI	37688_1.R1084	Score	840
Exons	4302..4723		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7209	Strand	-
Start	3988	End	4315
Name	OJ991022_09.0210.C17.o2.gp	Method	AAT/GAP
Start	3988	End	4315
GI	6025053	Score	565
Exons	3988..4315		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7210	Strand	-
Start	5210	End	7228
Name	OJ991022_09.0210.C17.o1.tm	Method	TBLASTX:Maize
Start	4519	End	7228
GI	none	Score	63
Exons	4519..4557, 4643..4708, 5918..5977, 5931..5984, 6091..6141, 6099..6140, 6489..6659, 6489..6629, 6490..6660, 6491..6637, 6538..6657, 6828..6881, 6839..6889, 6840..6878, 6841..6879, 6858..7115, 6883..7155, 6883..7107, 6885..7169, 7154..7222, 7160..7228		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7210	Strand	-
Start	5210	End	7228
Name	OJ991022_09.0210.C17.o2.np	Method	AAT/NAP
Start	5210	End	7190
GI	1143711	Score	297
Exons	5210..5233, 6093..6136, 6488..6658, 6842..7190		
GI Descrip.	(U13631) non-green plastid inner envelope membrane protein precursor [Brassica oleracea]		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7210	Strand	-
Start	5210	End	7228
Name	OJ991022_09.0210.C17.o3.gs	Method	GENSCAN
Start	6433	End	7184
GI	none	Score	.57
Exons	6433..6452, 6488..6658, 6842..7184		

Seq. No.	3374	Seq. ID	OJ991022_09.0210.C17
Gene No.	7210	Strand	-
Start	5210	End	7228
Name	OJ991022_09.0210.C17.o1.tc	Method	TBLASTX:Cress
Start	6898	End	7151
GI	none	Score	119
Exons	6898..7134, 6903..7151		

Seq. No.	3375	Seq. ID	OJ991022_09.0210.C18
Gene No.	7211	Strand	-
Start	1351	End	2957
Name	OJ991022_09.0210.C18.o1.gp	Method	AAT/GAP

Start	1141	End	1829
GI	38905_1.R1084	Score	715
Exons	1141..1455, 1750..1829		
GI Descrip.	'4895232/gb|AAD32818.1|AC007660_19 8.0e-21 (AC007660) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3375	Seq. ID	OJ991022_09.0210.C18
Gene No.	7211	Strand	-
Start	1351	End	2957
Name	OJ991022_09.0210.C18.o1.gs	Method	GENSCAN
Start	1351	End	2790
GI	none	Score	.71
Exons	1351..1455, 1750..1813, 2232..2323, 2722..2790		

Seq. No.	3375	Seq. ID	OJ991022_09.0210.C18
Gene No.	7211	Strand	-
Start	1351	End	2957
Name	OJ991022_09.0210.C18.o1.np	Method	AAT/NAP
Start	1354	End	2957
GI	4895232	Score	402
Exons	1354..1455, 1750..1813, 2232..2323, 2722..2790, 2907..2957		
GI Descrip.	(AC007660) putative methionyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	3376	Seq. ID	OJ991022_09.0210.C19
Gene No.	7212	Strand	-
Start	1	End	946
Name	OJ991022_09.0210.C19.o1.gp	Method	AAT/GAP
Start	1	End	934
GI	uC-osflcyp172h10b1	Score	340
Exons	1..27, 359..475, 878..934		
GI Descrip.	'4895232/gb|AAD32818.1|AC007660_19 8.0e-22 (AC007660) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3376	Seq. ID	OJ991022_09.0210.C19
Gene No.	7212	Strand	-
Start	1	End	946
Name	OJ991022_09.0210.C19.o1.gs	Method	GENSCAN
Start	197	End	946
GI	none	Score	.88
Exons	197..211, 359..475, 878..946		

Seq. No.	3377	Seq. ID	OJ991102_08.0216.C1
Gene No.	7213	Strand	-
Start	382	End	445
Name	OJ991102_08.0216.C1.o1.gs	Method	GENSCAN
Start	382	End	445
GI	none	Score	.69
Exons	382..445		

Seq. No.	3378	Seq. ID	OJ991102_08.0216.C2
Gene No.	7214	Strand	+
Start	1401	End	1478
Name	OJ991102_08.0216.C2.o2.np	Method	AAT/NAP
Start	1401	End	1478
GI	6630699	Score	80
Exons	1401..1478		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	3378	Seq. ID	OJ991102_08.0216.C2
Gene No.	7215	Strand	+
Start	5637	End	6942
Name	OJ991102_08.0216.C2.o4.np	Method	AAT/NAP
Start	5637	End	6942
GI	6815099	Score	75
Exons	5637..5668, 6819..6942		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	3378	Seq. ID	OJ991102_08.0216.C2
Gene No.	7216	Strand	-
Start	1	End	1341
Name	OJ991102_08.0216.C2.o1.np	Method	AAT/NAP
Start	1	End	1341
GI	5922620	Score	473
Exons	1..170, 411..444, 1080..1104, 1150..1263, 1303..1341		

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	3378	Seq. ID	OJ991102_08.0216.C2
Gene No.	7217	Strand	-
Start	1617	End	1724
Name	OJ991102_08.0216.C2.o3.np	Method	AAT/NAP
Start	1617	End	1724
GI	5922619	Score	78
Exons	1617..1724		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	3378	Seq. ID	OJ991102_08.0216.C2
Gene No.	7218	Strand	-
Start	7690	End	7861
Name	OJ991102_08.0216.C2.o2.gp	Method	AAT/GAP
Start	7690	End	7861
GI	10431_1.R1084	Score	297
Exons	7690..7861		

GI Descrip. '1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'

Seq. No.	3379	Seq. ID	OJ991102_08.0216.C3
Gene No.	7219	Strand	+
Start	316	End	803
Name	OJ991102_08.0216.C3.o1.gs	Method	GENSCAN
Start	316	End	803
GI	none	Score	.7
Exons	316..463, 688..803		

Seq. No.	3380	Seq. ID	OJ991102_08.0216.C4
Gene No.	7220	Strand	-

Start	1641	End	3211
Name	OJ991102_08.0216.C4.o1.np	Method	AAT/NAP
Start	468	End	3211
GI	6539570	Score	186
Exons	468..517, 1403..1501, 2762..2839, 3025..3211		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3380	Seq. ID	OJ991102_08.0216.C4
Gene No.	7220	Strand	-
Start	1641	End	3211
Name	OJ991102_08.0216.C4.o1.gs	Method	GENSCAN
Start	1641	End	3162
GI	none	Score	.54
Exons	1641..1845, 2773..2793, 3029..3162		

Seq. No.	3381	Seq. ID	OJ991102_08.0216.C5
Gene No.	7221	Strand	+
Start	1	End	1416
Name	OJ991102_08.0216.C5.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	5922619	Score	92
Exons	1..68, 1306..1413		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3381	Seq. ID	OJ991102_08.0216.C5
Gene No.	7221	Strand	+
Start	1	End	1416
Name	OJ991102_08.0216.C5.o1.gs	Method	GENSCAN
Start	477	End	1416
GI	none	Score	.51
Exons	477..646, 1306..1416		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7222	Strand	+
Start	1	End	3449
Name	OJ991102_08.0216.C7.o1.gp	Method	AAT/GAP
Start	1	End	2702
GI	14916_1.R1084	Score	1074
Exons	1..58, 152..210, 309..367, 586..663, 751..850, 951..1022, 1104..1211, 2624..2702		
GI Descrip.	'4510381/gb|AAD21469.1| 1.0e-44 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7222	Strand	+
Start	1	End	3449
Name	OJ991102_08.0216.C7.o1.np	Method	AAT/NAP
Start	1	End	2962
GI	4510381	Score	318
Exons	1..58, 588..663, 751..850, 951..1022, 1104..1211, 2624..2962		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7222	Strand	+
Start	1	End	3449

Name	OJ991102_08.0216.C7.o1.gs	Method	GENSCAN
Start	586	End	3449
GI	none	Score	.54
Exons	586..663, 751..850, 951..1022, 2624..2714, 3406..3449		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7222	Strand	+
Start	1	End	3449
Name	OJ991102_08.0216.C7.o2.gp	Method	AAT/GAP
Start	2662	End	3115
GI	none	Score	815
Exons	2662..3115		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7223	Strand	-
Start	6726	End	7289
Name	OJ991102_08.0216.C7.o1.tm	Method	TBLASTX:Maize
Start	22	End	3337
GI	none	Score	51
Exons	22..60, 24..59, 138..203, 148..213, 308..331, 311..334, 326..367, 587..664, 624..668, 752..856, 753..779, 826..849, 948..1022, 948..1019, 949..1023, 949..1026, 1098..1214, 1099..1215, 1102..1209, 1103..1210, 2607..2888, 2621..3127, 2621..3127, 2710..3129, 3122..3169, 3128..3169, 3170..3196, 3171..3200, 3171..3200, 3172..3204, 3197..3316, 3201..3317, 3201..3320, 3202..3318, 3257..3337		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7223	Strand	-
Start	6726	End	7289
Name	OJ991102_08.0216.C7.o1.tc	Method	TBLASTX:Cress
Start	806	End	1184
GI	none	Score	65
Exons	806..856, 948..1022, 1098..1184, 1103..1177		

Seq. No.	3382	Seq. ID	OJ991102_08.0216.C7
Gene No.	7223	Strand	-
Start	6726	End	7289
Name	OJ991102_08.0216.C7.o2.np	Method	AAT/NAP
Start	6726	End	7289
GI	5042454	Score	95
Exons	6726..6779, 7014..7057, 7248..7289		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7224	Strand	+
Start	1	End	4647
Name	OJ991102_08.0216.C8.o1.np	Method	AAT/NAP
Start	1	End	3150
GI	4680179	Score	4991
Exons	1..27, 86..3150		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7224	Strand	+
Start	1	End	4647
Name	OJ991102_08.0216.C8.o1.gs	Method	GENSCAN

Start	143	End	4647
GI	none	Score	.64
Exons	143..924, 1027..3015, 3854..4097, 4189..4285, 4330..4538, 4637..4647		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7225	Strand	+
Start	7343	End	10483
Name	OJ991102_08.0216.C8.o2.np	Method	AAT/NAP
Start	7343	End	10480
GI	6907089	Score	4640
Exons	7343..8603, 8698..10480		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7225	Strand	+
Start	7343	End	10483
Name	OJ991102_08.0216.C8.o3.gs	Method	GENSCAN
Start	7598	End	10483
GI	none	Score	.94
Exons	7598..7739, 7757..8603, 8698..10483		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7226	Strand	-
Start	709	End	1489
Name	OJ991102_08.0216.C8.o1.gp	Method	AAT/GAP
Start	709	End	1489
GI	4107134	Score	1163
Exons	709..1489		
GI Descrip.	4680179/gb|AAD27547.1|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7227	Strand	-
Start	4823	End	7434
Name	OJ991102_08.0216.C8.o2.gs	Method	GENSCAN
Start	4823	End	7434
GI	none	Score	.75
Exons	4823..4904, 5388..5506, 5913..6049, 6663..6739, 7298..7434		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7227	Strand	-
Start	4823	End	7434
Name	OJ991102_08.0216.C8.o2.gp	Method	AAT/GAP
Start	6254	End	6361
GI	uC-osflcyp172a09a1	Score	163
Exons	6254..6361		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o4.tm	Method	TBLASTX:Maize
Start	445	End	14701
GI	none	Score	165
Exons	445..690, 14345..14650, 14345..14701, 14355..14666		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o4.tw	Method	TBLASTX:Wheat
Start	445	End	14832
GI	none	Score	137
Exons	445..663, 14369..14830, 14375..14830, 14376..14831, 14389..14832		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o5.ts	Method	TBLASTX:Soybean
Start	490	End	14791
GI	none	Score	110
Exons	490..624, 14426..14560, 14567..14791		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o11.tw	Method	TBLASTX:Wheat
Start	673	End	792
GI	none	Score	177
Exons	673..792, 681..791		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o1.ts	Method	TBLASTX:Soybean
Start	736	End	14290
GI	none	Score	57
Exons	736..768, 738..764, 772..825, 779..919, 784..1101, 880..1131, 888..1130, 13919..14290		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o5.tw	Method	TBLASTX:Wheat
Start	793	End	14261
GI	none	Score	149
Exons	793..1146, 13866..14261, 13877..14260		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o5.tm	Method	TBLASTX:Maize
Start	901	End	14318
GI	none	Score	107
Exons	901..1116, 13934..14317, 13953..14318		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o2.tw	Method	TBLASTX:Wheat
Start	1147	End	1656
GI	none	Score	624
Exons	1147..1656, 1155..1565, 1186..1569		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o3.ts	Method	TBLASTX:Soybean
Start	1153	End	1398
GI	none	Score	209
Exons	1153..1398		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o2.tm	Method	TBLASTX:Maize
Start	1219	End	1579
GI	none	Score	477
Exons	1219..1572, 1221..1565, 1380..1577, 1427..1579		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o3.tw	Method	TBLASTX:Wheat
Start	1660	End	12091
GI	none	Score	594
Exons	1660..2139, 1693..2106, 1884..2138, 11975..12091		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o1.tc	Method	TBLASTX:Cress
Start	1846	End	2163
GI	none	Score	89
Exons	1846..2019, 2020..2163, 2022..2162		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o2.ts	Method	TBLASTX:Soybean
Start	1927	End	2187
GI	none	Score	299
Exons	1927..2187, 1932..2186		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o3.tm	Method	TBLASTX:Maize
Start	1986	End	2277
GI	none	Score	390
Exons	1986..2273, 1987..2277		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o1.tw	Method	TBLASTX:Wheat
Start	2146	End	11809
GI	none	Score	732
Exons	2146..2772, 2148..2771, 11480..11596, 11651..11809		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o1.tm	Method	TBLASTX:Maize
Start	2326	End	2913
GI	none	Score	226
Exons	2326..2487, 2334..2480, 2485..2913, 2487..2912		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o8.tw	Method	TBLASTX:Wheat
Start	2772	End	3140
GI	none	Score	325
Exons	2772..2972, 2773..3105, 3087..3140		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o6.tw	Method	TBLASTX:Wheat
Start	5341	End	15482
GI	none	Score	166
Exons	5341..5442, 14996..15481, 15027..15287, 15309..15482		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o7.tm	Method	TBLASTX:Maize
Start	11108	End	11254
GI	none	Score	126
Exons	11108..11254, 11115..11249		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o3.np	Method	AAT/NAP
Start	11114	End	15935
GI	6498441	Score	5638
Exons	11114..11395, 11489..12886, 13058..13354, 13547..13973, 14148..14282, 14466..14839, 14903..15366, 15697..15935		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o9.tw	Method	TBLASTX:Wheat
Start	11852	End	12241
GI	none	Score	46
Exons	11852..11974, 11853..11906, 11928..11969, 12092..12241, 12093..12218		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o6.tm	Method	TBLASTX:Maize

Start	11921	End	12244
GI	none	Score	203
Exons	11921..12244, 11934..12215		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o10.tw	Method	TBLASTX:Wheat
Start	12437	End	12749
GI	none	Score	62
Exons	12437..12697, 12573..12749		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o4.ts	Method	TBLASTX:Soybean
Start	12497	End	13063
GI	5666795	Score	69
Exons	12497..12697, 12752..12889, 12965..13063		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	3383	Seq. ID	OJ991102_08.0216.C8
Gene No.	7228	Strand	-
Start	11114	End	15935
Name	OJ991102_08.0216.C8.o7.tw	Method	TBLASTX:Wheat
Start	12752	End	13210
GI	none	Score	88
Exons	12752..12901, 12753..12890, 12755..12892, 12935..13186, 12936..13121, 12956..13210		

Seq. No.	3384	Seq. ID	OJ991102_08.0216.C9
Gene No.	7229	Strand	-
Start	1	End	603
Name	OJ991102_08.0216.C9.o1.gp	Method	AAT/GAP
Start	1	End	196
GI	uC-osf1cyp172a09a1	Score	316
Exons	1..196		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	3384	Seq. ID	OJ991102_08.0216.C9
Gene No.	7229	Strand	-
Start	1	End	603
Name	OJ991102_08.0216.C9.o1.np	Method	AAT/NAP
Start	1	End	227
GI	5042454	Score	145
Exons	1..227		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3384	Seq. ID	OJ991102_08.0216.C9
Gene No.	7229	Strand	-
Start	1	End	603
Name	OJ991102_08.0216.C9.o1.gs	Method	GENSCAN
Start	55	End	603
GI	none	Score	.84
Exons	55..144, 244..316, 494..603		

Seq. No.	3385	Seq. ID	OJ991102_08.0216.C10
Gene No.	7230	Strand	+
Start	271	End	1010
Name	OJ991102_08.0216.C10.o1.gs	Method	GENSCAN
Start	271	End	1010
GI	none	Score	.52
Exons	271..330, 548..1010		

Seq. No.	3386	Seq. ID	OJ991102_08.0216.C11
Gene No.	7231	Strand	-
Start	1	End	1084
Name	OJ991102_08.0216.C11.o1.np	Method	AAT/NAP
Start	1	End	1084
GI	6721562	Score	1681
Exons	1..1084		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	3386	Seq. ID	OJ991102_08.0216.C11
Gene No.	7231	Strand	-
Start	1	End	1084
Name	OJ991102_08.0216.C11.o1.gs	Method	GENSCAN
Start	26	End	1021
GI	none	Score	.4
Exons	26..1021		

Seq. No.	3386	Seq. ID	OJ991102_08.0216.C11
Gene No.	7231	Strand	-
Start	1	End	1084
Name	OJ991102_08.0216.C11.o1.tw	Method	TBLASTX:Wheat
Start	156	End	548
GI	none	Score	100
Exons	156..413, 190..429, 396..494, 397..489, 501..548		

Seq. No.	3386	Seq. ID	OJ991102_08.0216.C11
Gene No.	7231	Strand	-
Start	1	End	1084
Name	OJ991102_08.0216.C11.o1.tm	Method	TBLASTX:Maize
Start	258	End	506
GI	none	Score	194
Exons	258..506		

Seq. No.	3387	Seq. ID	OJ991102_08.0216.C12
Gene No.	7232	Strand	+
Start	189	End	220
Name	OJ991102_08.0216.C12.o1.gs	Method	GENSCAN
Start	189	End	220
GI	none	Score	.44
Exons	189..220		

Seq. No.	3388	Seq. ID	OJ991102_08.0216.C14
Gene No.	7233	Strand	+
Start	386	End	476
Name	OJ991102_08.0216.C14.o1.gs	Method	GENSCAN

Start	386	End	476
GI	none	Score	.55
Exons	386..476		

Seq. No.	3389	Seq. ID	OJ991102_08.0216.C15
Gene No.	7234	Strand	+
Start	1	End	3344
Name	OJ991102_08.0216.C15.o1.np	Method	AAT/NAP
Start	1	End	3344
GI	5001454	Score	99
Exons	1..71, 982..1264, 3299..3344		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	3389	Seq. ID	OJ991102_08.0216.C15
Gene No.	7235	Strand	-
Start	6813	End	11105
Name	OJ991102_08.0216.C15.o1.tm	Method	TBLASTX:Maize
Start	5375	End	6298
GI	none	Score	127
Exons	5375..5644, 5414..5533, 5431..5610, 5645..5758, 5852..6109, 6173..6298		

Seq. No.	3389	Seq. ID	OJ991102_08.0216.C15
Gene No.	7235	Strand	-
Start	6813	End	11105
Name	OJ991102_08.0216.C15.o2.gs	Method	GENSCAN
Start	6813	End	11105
GI	none	Score	.53
Exons	6813..6965, 11031..11105		

Seq. No.	3390	Seq. ID	OJ991102_08.0216.C16
Gene No.	7236	Strand	-
Start	765	End	2544
Name	OJ991102_08.0216.C16.o1.tc	Method	TBLASTX:Cress
Start	415	End	1590
GI	none	Score	100
Exons	415..564, 517..798, 823..1086, 1459..1590		

Seq. No.	3390	Seq. ID	OJ991102_08.0216.C16
Gene No.	7236	Strand	-
Start	765	End	2544
Name	OJ991102_08.0216.C16.o1.gs	Method	GENSCAN
Start	765	End	2544
GI	none	Score	.81
Exons	765..911, 1246..1635, 1912..2544		

Seq. No.	3390	Seq. ID	OJ991102_08.0216.C16
Gene No.	7236	Strand	-
Start	765	End	2544
Name	OJ991102_08.0216.C16.o2.np	Method	AAT/NAP
Start	1030	End	2045
GI	2792248	Score	194
Exons	1030..1635, 1912..2045		
GI Descrip.	(AF032702) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	3391	Seq. ID	OJ991102_08.0216.C17

Gene No.	7237	Strand	+
Start	1	End	2790
Name	OJ991102_08.0216.C17.o1.np	Method	AAT/NAP
Start	1	End	2727
GI	81286	Score	79
Exons	1..40, 1084..1433, 2709..2727		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	3391	Seq. ID	OJ991102_08.0216.C17
Gene No.	7237	Strand	+
Start	1	End	2790
Name	OJ991102_08.0216.C17.o1.gs	Method	GENSCAN
Start	691	End	1263
GI	none	Score	.78
Exons	691..846, 1063..1263		

Seq. No.	3391	Seq. ID	OJ991102_08.0216.C17
Gene No.	7237	Strand	+
Start	1	End	2790
Name	OJ991102_08.0216.C17.o1.gp	Method	AAT/GAP
Start	2551	End	2790
GI	none	Score	346
Exons	2551..2790		

Seq. No.	3392	Seq. ID	OJ991102_08.0216.C18
Gene No.	7238	Strand	+
Start	308	End	1883
Name	OJ991102_08.0216.C18.o1.np	Method	AAT/NAP
Start	308	End	1883
GI	3063453	Score	698
Exons	308..427, 530..607, 688..1074, 1385..1501, 1616..1883		
GI Descrip.	(AC003981) F22O13.15 [Arabidopsis thaliana]		

Seq. No.	3392	Seq. ID	OJ991102_08.0216.C18
Gene No.	7238	Strand	+
Start	308	End	1883
Name	OJ991102_08.0216.C18.o1.ts	Method	TBLASTX:Soybean
Start	339	End	607
GI	none	Score	76
Exons	339..425, 340..426, 347..427, 347..427, 528..605, 529..606, 530..607		

Seq. No.	3392	Seq. ID	OJ991102_08.0216.C18
Gene No.	7238	Strand	+
Start	308	End	1883
Name	OJ991102_08.0216.C18.o1.tm	Method	TBLASTX:Maize
Start	690	End	1509
GI	none	Score	108
Exons	690..779, 690..779, 691..780, 694..780, 873..1073, 874..1074, 874..1077, 1382..1501, 1382..1501, 1384..1509, 1384..1509		

Seq. No.	3392	Seq. ID	OJ991102_08.0216.C18
Gene No.	7238	Strand	+
Start	308	End	1883
Name	OJ991102_08.0216.C18.o1.gs	Method	GENSCAN
Start	697	End	1507

GI	none	Score	.98
Exons	697..779, 873..1074, 1385..1507		

Seq. No.	3392	Seq. ID	OJ991102_08.0216.C18
Gene No.	7238	Strand	+
Start	308	End	1883
Name	OJ991102_08.0216.C18.o2.ts	Method	TBLASTX:Soybean
Start	880	End	1065
GI	none	Score	160
Exons	880..1008, 897..1007, 1012..1065		

Seq. No.	3393	Seq. ID	OJ991102_08.0216.C20
Gene No.	7239	Strand	+
Start	1	End	214
Name	OJ991102_08.0216.C20.o1.gp	Method	AAT/GAP
Start	1	End	214
GI	LIB3479-006-Q6-K1-B11	Score	329
Exons	1..214		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	3393	Seq. ID	OJ991102_08.0216.C20
Gene No.	7240	Strand	+
Start	269	End	1658
Name	OJ991102_08.0216.C20.o1.np	Method	AAT/NAP
Start	269	End	1658
GI	5922620	Score	208
Exons	269..307, 348..461, 506..530, 1622..1658		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3394	Seq. ID	OJ991102_08.0216.C21
Gene No.	7241	Strand	+
Start	1965	End	2214
Name	OJ991102_08.0216.C21.o3.np	Method	AAT/NAP
Start	1965	End	2214
GI	322873	Score	137
Exons	1965..2214		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		

Seq. No.	3394	Seq. ID	OJ991102_08.0216.C21
Gene No.	7242	Strand	-
Start	1	End	1383
Name	OJ991102_08.0216.C21.o1.np	Method	AAT/NAP
Start	1	End	1383
GI	6539570	Score	160
Exons	1..17, 164..365, 1344..1383		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3394	Seq. ID	OJ991102_08.0216.C21
Gene No.	7242	Strand	-
Start	1	End	1383
Name	OJ991102_08.0216.C21.o1.gs	Method	GENSCAN

Start	197	End	525
GI	none	Score	.44
Exons	197..365, 480..525		

Seq. No.	3394	Seq. ID	OJ991102_08.0216.C21
Gene No.	7242	Strand	-
Start	1	End	1383
Name	OJ991102_08.0216.C21.o2.np	Method	AAT/NAP
Start	534	End	613
GI	6630699	Score	77
Exons	534..613		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3394	Seq. ID	OJ991102_08.0216.C21
Gene No.	7243	Strand	-
Start	1918	End	2133
Name	OJ991102_08.0216.C21.o2.gs	Method	GENSCAN
Start	1918	End	2133
GI	none	Score	.64
Exons	1918..2133		

Seq. No.	3395	Seq. ID	OJ991102_08.0216.C22
Gene No.	7244	Strand	+
Start	164	End	325
Name	OJ991102_08.0216.C22.o1.gs	Method	GENSCAN
Start	164	End	325
GI	none	Score	1
Exons	164..325		

Seq. No.	3395	Seq. ID	OJ991102_08.0216.C22
Gene No.	7245	Strand	-
Start	800	End	2594
Name	OJ991102_08.0216.C22.o2.gs	Method	GENSCAN
Start	800	End	2594
GI	none	Score	.6
Exons	800..917, 1092..1157, 1325..1347, 1477..1503, 2562..2594		

Seq. No.	3396	Seq. ID	OJ991102_08.0216.C23
Gene No.	7246	Strand	-
Start	1394	End	1837
Name	OJ991102_08.0216.C23.o1.gs	Method	GENSCAN
Start	1394	End	1837
GI	none	Score	.41
Exons	1394..1587, 1630..1837		

Seq. No.	3397	Seq. ID	OJ991102_08.0216.C24
Gene No.	7247	Strand	+
Start	2927	End	3934
Name	OJ991102_08.0216.C24.o2.gs	Method	GENSCAN
Start	2927	End	3934
GI	none	Score	.85
Exons	2927..2979, 3339..3495, 3578..3934		

Seq. No.	3397	Seq. ID	OJ991102_08.0216.C24
Gene No.	7248	Strand	-

Start	1	End	7444
Name	OJ991102_08.0216.C24.o1.np	Method	AAT/NAP
Start	1	End	2134
GI	283044	Score	81
Exons	1..57, 1399..1516, 1559..1705, 1739..2134		
GI Descrip.	hybrid proline-rich protein - maize gi|433707|emb|CAA42959| (X60432) prolin rich protein [Zea mays]		

Seq. No.	3397	Seq. ID	OJ991102_08.0216.C24
Gene No.	7248	Strand	-
Start	1	End	7444
Name	OJ991102_08.0216.C24.o2.np	Method	AAT/NAP
Start	1	End	7444
GI	6599134	Score	123
Exons	1..108, 1066..1625, 6614..6809, 6918..7150, 7214..7444		
GI Descrip.	(AL133561) hypothetical protein [Homo sapiens]		

Seq. No.	3397	Seq. ID	OJ991102_08.0216.C24
Gene No.	7248	Strand	-
Start	1	End	7444
Name	OJ991102_08.0216.C24.o1.gs	Method	GENSCAN
Start	969	End	1912
GI	none	Score	.77
Exons	969..1210, 1315..1438, 1451..1912		

Seq. No.	3397	Seq. ID	OJ991102_08.0216.C24
Gene No.	7249	Strand	-
Start	7806	End	8848
Name	OJ991102_08.0216.C24.o3.np	Method	AAT/NAP
Start	7806	End	8848
GI	4680341	Score	661
Exons	7806..7873, 8172..8553, 8612..8695, 8721..8848		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	3397	Seq. ID	OJ991102_08.0216.C24
Gene No.	7249	Strand	-
Start	7806	End	8848
Name	OJ991102_08.0216.C24.o1.tw	Method	TBLASTX:Wheat
Start	7883	End	8283
GI	none	Score	52
Exons	7883..7942, 7893..7955, 8048..8113, 8049..8114, 8049..8138, 8050..8139, 8056..8127, 8169..8282, 8185..8283		

Seq. No.	3398	Seq. ID	OJ991102_08.0216.C25
Gene No.	7250	Strand	+
Start	505	End	1241
Name	OJ991102_08.0216.C25.o1.gs	Method	GENSCAN
Start	505	End	1241
GI	none	Score	.5
Exons	505..687, 1048..1241		

Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.gp	Method	AAT/GAP
Start	453	End	1774
GI	342_1.R1084	Score	1957

Exons	453..1774		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.np	Method	AAT/NAP
Start	456	End	2537
GI	4680203	Score	1457
Exons	456..1774, 2251..2537		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.gs	Method	GENSCAN
Start	638	End	1790
GI	none	Score	.43
Exons	638..894, 1397..1790		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o2.tw	Method	TBLASTX:Wheat
Start	755	End	1151
GI	none	Score	101
Exons	755..907, 890..1141, 891..1133, 898..1140, 909..1151		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.ts	Method	TBLASTX:Soybean
Start	1072	End	1499
GI	none	Score	103
Exons	1072..1155, 1073..1147, 1205..1435, 1237..1371, 1428..1499, 1428..1484		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.tc	Method	TBLASTX:Cress
Start	1241	End	1583
GI	none	Score	109
Exons	1241..1429, 1428..1583, 1436..1579		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.tw	Method	TBLASTX:Wheat
Start	1369	End	1768
GI	none	Score	49
Exons	1369..1518, 1382..1450, 1403..1525, 1428..1529, 1533..1631, 1538..1627, 1611..1763, 1631..1768, 1632..1760, 1634..1762		
Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+

Start	453	End	2537
Name	OJ991102_08.0216.C26.o1.tm	Method	TBLASTX:Maize
Start	1424	End	1778
GI	none	Score	238
Exons	1424..1669, 1425..1670, 1680..1778		

Seq. No.	3399	Seq. ID	OJ991102_08.0216.C26
Gene No.	7251	Strand	+
Start	453	End	2537
Name	OJ991102_08.0216.C26.o2.tm	Method	TBLASTX:Maize
Start	1783	End	2052
GI	none	Score	196
Exons	1783..2052		

Seq. No.	3400	Seq. ID	OJ991102_08.0216.C27
Gene No.	7252	Strand	+
Start	1	End	710
Name	OJ991102_08.0216.C27.o1.np	Method	AAT/NAP
Start	1	End	710
GI	3845304	Score	94
Exons	1..136, 213..401, 684..710		
GI Descrip.	(AE001423) replication factor C, 140 kDa subunit (ATPase) [Plasmodium falciparum]		

Seq. No.	3400	Seq. ID	OJ991102_08.0216.C27
Gene No.	7252	Strand	+
Start	1	End	710
Name	OJ991102_08.0216.C27.o1.gs	Method	GENSCAN
Start	50	End	622
GI	none	Score	.67
Exons	50..136, 273..401, 501..622		

Seq. No.	3400	Seq. ID	OJ991102_08.0216.C27
Gene No.	7252	Strand	+
Start	1	End	710
Name	OJ991102_08.0216.C27.o1.ts	Method	TBLASTX:Soybean
Start	273	End	616
GI	none	Score	160
Exons	273..404, 281..403, 498..608, 500..616		

Seq. No.	3401	Seq. ID	OJ991102_08.0216.C28
Gene No.	7253	Strand	+
Start	791	End	3535
Name	OJ991102_08.0216.C28.o1.gp	Method	AAT/GAP
Start	791	End	2934
GI	6782_1.R1084	Score	870
Exons	791..892, 1270..1362, 1930..2176, 2753..2812, 2909..2934		
GI Descrip.	'3334456/sp|P35251|AC15_HUMAN 2.0e-09 ACTIVATOR 1 140 KD SUBUNIT (REPLICATION FACTOR C LARGE SUBUNIT) (A1 140 KD SUBUNIT) (RF-C 140 KD SUBUNIT) (ACTIVATOR 1 LARGE SUBUNIT) (DNA-BINDING PROTEIN PO-GA) >gi_422807_pir__JN0599 DNA-binding protein PO-GA - human >gi_296908_emb_CAA80355_ (Z22642) PO-GA [Homo sapiens] >gi_307338 (L14922) DNA-binding protein [Homo sapiens] >gi_2827257 (AF04025'		

Seq. No.	3401	Seq. ID	OJ991102_08.0216.C28
Gene No.	7253	Strand	+

Start	791	End	3535
Name	OJ991102_08.0216.C28.o1.gs	Method	GENSCAN
Start	1220	End	3535
GI	none	Score	.62
Exons	1220..1362, 1930..2176, 2753..3022, 3456..3535		

Seq. No.	3401	Seq. ID	OJ991102_08.0216.C28
Gene No.	7254	Strand	-
Start	3090	End	3322
Name	OJ991102_08.0216.C28.o1.tm	Method	TBLASTX:Maize
Start	810	End	2185
GI	none	Score	70
Exons	810..878, 818..886, 819..893, 1267..1362, 1269..1361, 1297..1377, 1928..2185, 1929..1997, 1930..2127, 2040..2174		

Seq. No.	3401	Seq. ID	OJ991102_08.0216.C28
Gene No.	7254	Strand	-
Start	3090	End	3322
Name	OJ991102_08.0216.C28.o2.gp	Method	AAT/GAP
Start	3090	End	3322
GI	3106569	Score	391
Exons	3090..3322		

Seq. No.	3402	Seq. ID	OJ991102_08.0216.C29
Gene No.	7255	Strand	-
Start	549	End	563
Name	OJ991102_08.0216.C29.o1.gs	Method	GENSCAN
Start	549	End	563
GI	none	Score	.74
Exons	549..563		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7256	Strand	+
Start	315	End	7033
Name	OJ991022_02.0211.C3.o1.np	Method	AAT/NAP
Start	315	End	3554
GI	2493650	Score	1965
Exons	315..497, 604..699, 868..1110, 1201..1435, 1562..1731, 2007..2084, 2209..2280, 2427..2531, 2705..2797, 2875..2967, 3420..3554		
GI Descrip.	RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) gi|1167858|emb|CAA93139| (Z68903) chaperonin [Secale cereale]		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7256	Strand	+
Start	315	End	7033
Name	OJ991022_02.0211.C3.o1.gs	Method	GENSCAN
Start	360	End	7033
GI	none	Score	.73
Exons	360..497, 604..699, 868..1110, 1201..1435, 1562..1731, 2007..2084, 2209..2280, 2427..2531, 2705..2797, 2875..2967, 3420..3543, 3928..4015, 4130..4191, 4323..4486, 6009..6054, 6572..6741, 6941..7033		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7256	Strand	+

Start	315	End	7033
Name	OJ991022_02.0211.C3.o1.gp	Method	AAT/GAP
Start	439	End	3895
GI	1601_1.R1084	Score	2992
Exons	439..497, 604..699, 868..1110, 1201..1435, 1562..1731, 2007..2084, 2209..2280, 2427..2531, 2705..2797, 2875..2967, 3420..3543, 3645..3895		
GI Descrip.	'2493650/sp|Q43831|RUBB_SECCE 0.0e+00 RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) >gi_1167858_emb_CAA93139_ (Z68903) chaperonin [Secale cereale]'		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7257	Strand	+
Start	11781	End	12305
Name	OJ991022_02.0211.C3.o2.gp	Method	AAT/GAP
Start	11781	End	12305
GI	none	Score	1017
Exons	11781..12305		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	357	End	1377
GI	none	Score	223
Exons	357..500, 383..499, 601..657, 603..647, 865..1110, 866..1087, 867..1109, 868..1113, 966..1115, 1175..1285, 1198..1377, 1204..1281, 1206..1376		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	357	End	7430
GI	none	Score	227
Exons	357..500, 357..497, 383..499, 601..657, 601..663, 603..668, 867..1106, 868..1113, 966..1115, 1198..1443, 1198..1278, 1209..1442, 1533..1730, 1555..1731, 2001..2087, 2208..2282, 2208..2276, 2209..2286, 2463..2534, 2704..2805, 2705..2806, 2705..2809, 2871..2969, 2872..2970, 3408..3545, 3419..3571, 3419..3544, 6285..6365, 6940..7041, 6944..7024, 7370..7426, 7371..7430		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	381	End	7430
GI	none	Score	179
Exons	381..500, 386..499, 601..672, 603..704, 856..1110, 866..1108, 866..1117, 868..1113, 966..1118, 1198..1443, 1198..1290, 1200..1442, 1533..1730, 1555..1731, 1561..1731, 2001..2087, 2005..2097, 2013..2087, 2208..2282, 2208..2279, 2209..2286, 2455..2535, 2463..2534, 2704..2799, 2704..2799, 2705..2806, 2867..2956, 2869..2967, 2871..2969, 2872..2970, 3408..3554, 3417..3473, 3418..3480, 3419..3562, 3419..3556, 3526..3561,		

3643..3663, 6149..6175, 6181..6231, 6285..6359, 6938..7015,
6944..7030, 7023..7049, 7025..7057, 7370..7429, 7371..7430

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o3.tw	Method	TBLASTX:Wheat
Start	1045	End	1391
GI	none	Score	53
Exons	1045..1101, 1201..1389, 1212..1391		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o2.tc	Method	TBLASTX:Cress
Start	1380	End	7430
GI	none	Score	73
Exons	1380..1433, 1380..1442, 1381..1443, 1381..1443, 1533..1730, 1550..1675, 1555..1731, 1561..1731, 2001..2087, 2063..2086, 2208..2276, 2209..2286, 2463..2534, 2704..2799, 2705..2800, 2871..2969, 2872..2970, 3408..3479, 3419..3475, 6938..7030, 6940..7041, 6944..7030, 7022..7057, 7370..7426, 7371..7430		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	1392	End	2262
GI	none	Score	40
Exons	1392..1436, 1392..1442, 1393..1443, 1552..1731, 1553..1678, 1555..1731, 1563..1733, 1685..1735, 2001..2087, 2005..2097, 2013..2087, 2183..2260, 2208..2261, 2208..2261, 2209..2262		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	2707	End	7431
GI	none	Score	139
Exons	2707..2799, 2708..2806, 2720..2806, 2869..2967, 2871..2969, 2872..2970, 3408..3545, 3417..3479, 3419..3568, 3419..3556, 7370..7429, 7371..7430, 7375..7431		

Seq. No.	3403	Seq. ID	OJ991022_02.0211.C3
Gene No.	7258	Strand	-
Start	7948	End	12102
Name	OJ991022_02.0211.C3.o2.gs	Method	GENSCAN
Start	7948	End	12102
GI	none	Score	.8
Exons	7948..8108, 8284..8412, 8542..8653, 9054..9170, 12055..12102		

Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7259	Strand	+
Start	456	End	6258
Name	OJ991022_02.0211.C4.o1.gp	Method	AAT/GAP
Start	456	End	1192
GI	48856_1.R1084	Score	1456

Exons	456..1192		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		
Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7259	Strand	+
Start	456	End	6258
Name	OJ991022_02.0211.C4.o1.gs	Method	GENSCAN
Start	800	End	6258
GI	none	Score	.64
Exons	800..1257, 3242..4535, 6145..6258		
Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7259	Strand	+
Start	456	End	6258
Name	OJ991022_02.0211.C4.o2.gp	Method	AAT/GAP
Start	3560	End	3852
GI	569537	Score	586
Exons	3560..3852		
Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7259	Strand	+
Start	456	End	6258
Name	OJ991022_02.0211.C4.o3.gp	Method	AAT/GAP
Start	4216	End	4996
GI	none	Score	1275
Exons	4216..4881, 4973..4996		
Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7260	Strand	-
Start	911	End	5759
Name	OJ991022_02.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	663	End	3599
GI	none	Score	35
Exons	663..689, 663..686, 763..801, 778..840, 807..842, 808..840, 977..1273, 982..1272, 3213..3599, 3231..3410, 3239..3598		
Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7260	Strand	-
Start	911	End	5759
Name	OJ991022_02.0211.C4.o1.np	Method	AAT/NAP
Start	911	End	5759
GI	93144	Score	43
Exons	911..972, 1166..1188, 5729..5759		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2 [Pseudorabies virus]		
Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7260	Strand	-
Start	911	End	5759
Name	OJ991022_02.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	3600	End	4187
GI	none	Score	63
Exons	3600..3692, 3704..3757, 3714..3767, 3828..4187, 3863..4114		

Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7260	Strand	-
Start	911	End	5759
Name	OJ991022_02.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	3600	End	4775
GI	none	Score	1127
Exons	3600..4307, 3603..4313, 4091..4435, 4366..4452, 4373..4456, 4386..4478, 4386..4478, 4414..4479, 4473..4505, 4500..4550, 4502..4549, 4507..4557, 4517..4654, 4582..4620, 4587..4637, 4620..4664, 4698..4760, 4699..4743, 4700..4744, 4738..4773, 4746..4775		

Seq. No.	3404	Seq. ID	OJ991022_02.0211.C4
Gene No.	7260	Strand	-
Start	911	End	5759
Name	OJ991022_02.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	3854	End	4115
GI	none	Score	175
Exons	3854..4114, 3856..4101, 3861..4115		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7261	Strand	+
Start	120	End	740
Name	OJ991022_02.0211.C5.o1.gs	Method	GENSCAN
Start	120	End	740
GI	none	Score	91
Exons	120..740		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7261	Strand	+
Start	120	End	740
Name	OJ991022_02.0211.C5.o1.np	Method	AAT/NAP
Start	258	End	740
GI	3068809	Score	337
Exons	258..740		
GI Descrip.	(AF059295) Skp1 homolog [Arabidopsis thaliana]		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7262	Strand	+
Start	4457	End	4891
Name	OJ991022_02.0211.C5.o2.np	Method	AAT/NAP
Start	4457	End	4891
GI	2911041	Score	308
Exons	4457..4891		
GI Descrip.	(AL021961) kinetochore (SKP1p) - like protein [Arabidopsis thaliana]		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	258	End	11045
GI	none	Score	91
Exons	258..383, 288..383, 389..454, 390..509, 468..737, 560..736, 4484..4525, 4534..4614, 4539..4592, 4591..4635, 4625..4870, 4777..4860, 4849..4887, 4850..4894, 10926..11006, 10983..11045		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	281	End	4897
GI	none	Score	53
Exons	281..328, 288..329, 309..383, 387..464, 389..454, 489..737, 596..736, 4534..4614, 4598..4624, 4658..4870, 4753..4860, 4849..4887, 4850..4897		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	288	End	4900
GI	none	Score	92
Exons	288..383, 389..454, 390..470, 456..737, 623..736, 4534..4614, 4616..4870, 4777..4860, 4849..4887, 4850..4900		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	5564	End	10094
GI	none	Score	71
Exons	5564..5617, 5665..5814, 5705..5824, 5718..5828, 9753..10037, 9753..10094		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	5680	End	9884
GI	none	Score	142
Exons	5680..5877, 5681..5914, 5682..5882, 5885..6172, 5887..5961, 5897..6154, 5989..6171, 9417..9539, 9431..9523, 9441..9527, 9542..9679, 9552..9692, 9645..9698, 9704..9871, 9732..9884		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o3.np	Method	AAT/NAP
Start	8257	End	17291
GI	5091513	Score	1359
Exons	8257..8293, 9380..9476, 14537..14897, 15051..15245, 15906..17291		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3405	Seq. ID	OJ991022_02.0211.C5
Gene No.	7263	Strand	-
Start	8257	End	17291
Name	OJ991022_02.0211.C5.o3.gs	Method	GENSCAN
Start	15384	End	17248
GI	none	Score	.57
Exons	15384..16098, 16388..16544, 16567..17248		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7264	Strand	+

Start	89	End	887
Name	OJ991022_02.0211.C6.o1.gs	Method	GENSCAN
Start	89	End	887
GI	none	Score	.47
Exons	89..282, 867..887		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7265	Strand	+
Start	876	End	1159
Name	OJ991022_02.0211.C6.o2.gp	Method	AAT/GAP
Start	876	End	1159
GI	LIB3475-004-P1-K2-A5	Score	373
Exons	876..1057, 1100..1159		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7266	Strand	+
Start	2263	End	9754
Name	OJ991022_02.0211.C6.o3.gs	Method	GENSCAN
Start	2263	End	9565
GI	none	Score	.52
Exons	2263..2393, 3386..3506, 3952..4528, 5021..5046, 6570..6879, 7358..7483, 7756..7851, 7912..8217, 8535..8804, 9074..9205, 9299..9565		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7266	Strand	+
Start	2263	End	9754
Name	OJ991022_02.0211.C6.o2.np	Method	AAT/NAP
Start	4530	End	6252
GI	5922619	Score	95
Exons	4530..4567, 6145..6252		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7266	Strand	+
Start	2263	End	9754
Name	OJ991022_02.0211.C6.o4.np	Method	AAT/NAP
Start	8789	End	9754
GI	5902445	Score	605
Exons	8789..9754		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	9754
GI	5091513	Score	641
Exons	1..309, 1083..1495, 2798..2922, 2955..2992, 5988..6025, 8445..8495, 9731..9754		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6

Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o4.tm	Method	TBLASTX:Maize
Start	370	End	1130
GI	none	Score	110
Exons	370..486, 371..487, 374..490, 851..967, 852..968, 855..971, 969..1061, 971..1066, 971..1066,	490..594, 491..607, 492..608, 856..969, 925..975, 967..1062, 1071..1130	

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o1.gp	Method	AAT/GAP
Start	395	End	639
GI	LIB3475-004-P1-K2-A5	Score	399
Exons	395..639		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o2.gs	Method	GENSCAN
Start	1136	End	1657
GI	none	Score	.8
Exons	1136..1657		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o3.np	Method	AAT/NAP
Start	6390	End	7734
GI	6630699	Score	94
Exons	6390..6480, 7705..7734		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	6468	End	6836
GI	none	Score	145
Exons	6468..6602, 6485..6592, 6618..6836, 6618..6740		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o2.ts	Method	TBLASTX:Soybean
Start	7932	End	8294
GI	none	Score	202
Exons	7932..8294, 8000..8278		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754

Name	OJ991022_02.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	8935	End	9343
GI	none	Score	599
Exons	8935..9342, 8952..9275, 9053..9343		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	8995	End	9210
GI	none	Score	303
Exons	8995..9210, 8997..9209		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	9211	End	9672
GI	none	Score	613
Exons	9211..9672, 9213..9275, 9330..9671		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	9358	End	9753
GI	none	Score	223
Exons	9358..9639, 9393..9650, 9640..9753		

Seq. No.	3406	Seq. ID	OJ991022_02.0211.C6
Gene No.	7267	Strand	-
Start	1	End	9754
Name	OJ991022_02.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	9361	End	9741
GI	none	Score	200
Exons	9361..9663, 9415..9504, 9640..9741		

Seq. No.	3407	Seq. ID	OJ991022_02.0211.C7
Gene No.	7268	Strand	+
Start	80	End	1337
Name	OJ991022_02.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	59	End	301
GI	none	Score	179
Exons	59..301, 184..297		

Seq. No.	3407	Seq. ID	OJ991022_02.0211.C7
Gene No.	7268	Strand	+
Start	80	End	1337
Name	OJ991022_02.0211.C7.o1.np	Method	AAT/NAP
Start	80	End	1337
GI	6498441	Score	117
Exons	80..424, 1293..1337		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3407	Seq. ID	OJ991022_02.0211.C7

Gene No.	7268	Strand	+
Start	80	End	1337
Name	OJ991022_02.0211.C7.o1.gs	Method	GENSCAN
Start	236	End	833
GI	none	Score	.41
Exons	236..424, 453..833		

Seq. No.	3408	Seq. ID	OJ991022_02.0211.C8
Gene No.	7269	Strand	+
Start	472	End	1128
Name	OJ991022_02.0211.C8.o1.gs	Method	GENSCAN
Start	472	End	1128
GI	none	Score	.78
Exons	472..1128		

Seq. No.	3409	Seq. ID	OJ991022_02.0211.C9
Gene No.	7270	Strand	+
Start	260	End	5137
Name	OJ991022_02.0211.C9.o1.gs	Method	GENSCAN
Start	260	End	5137
GI	none	Score	.44
Exons	260..1167, 2995..3077, 3163..3252, 3379..3549, 3745..3792, 4676..5137		

Seq. No.	3409	Seq. ID	OJ991022_02.0211.C9
Gene No.	7270	Strand	+
Start	260	End	5137
Name	OJ991022_02.0211.C9.o1.gp	Method	AAT/GAP
Start	2643	End	2752
GI	uC-osflcyp088b12b1	Score	157
Exons	2643..2752		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3409	Seq. ID	OJ991022_02.0211.C9
Gene No.	7271	Strand	-
Start	1	End	6923
Name	OJ991022_02.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	6923
GI	5295955	Score	275
Exons	1..348, 664..993, 1070..1188, 1959..2076, 4156..4302, 5337..5544, 6901..6923		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	3409	Seq. ID	OJ991022_02.0211.C9
Gene No.	7271	Strand	-
Start	1	End	6923
Name	OJ991022_02.0211.C9.o2.gs	Method	GENSCAN
Start	6037	End	6191
GI	none	Score	.82
Exons	6037..6191		

Seq. No.	3410	Seq. ID	OJ991022_02.0211.C10
Gene No.	7272	Strand	+
Start	360	End	1644
Name	OJ991022_02.0211.C10.o1.np	Method	AAT/NAP

Start	360	End	1644
GI	5091513	Score	1600
Exons	360..1644		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7273	Strand	+
Start	6982	End	7689
Name	OJ991022_02.0211.C11.o2.gs	Method	GENSCAN
Start	6982	End	7689
GI	none	Score	.61
Exons	6982..7100, 7473..7689		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o1.np	Method	AAT/NAP
Start	1	End	14305
GI	4588012	Score	2491
Exons	1..21, 411..519, 684..860, 942..1010, 1192..1323, 1747..1856, 1933..2093, 2171..2261, 2348..2445, 2589..2709, 2822..2982, 3075..3156, 3232..3320, 4068..4174, 4286..4372, 4462..4511, 4648..4729, 4825..4885, 5154..5206, 5296..5485, 5562..5685, 5950..6052, 6154..6273, 8434..8512, 8598..8674, 9005..9133, 10704..10821, 10906..11003, 11547..11636, 13106..13231, 13346..13459, 13623..13728, 13973..14127, 14212..14305		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o4.tm	Method	TBLASTX:Maize
Start	411	End	862
GI	none	Score	59
Exons	411..461, 415..462, 471..533, 481..522, 666..773, 683..775, 684..791, 685..792, 715..861, 773..862		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o1.gs	Method	GENSCAN
Start	691	End	6644
GI	none	Score	.83
Exons	691..860, 942..1010, 1192..1323, 1747..1856, 1933..2093, 2341..2445, 2589..2709, 2822..2982, 3918..3942, 4098..4217, 5154..5206, 5296..5485, 5562..5685, 6154..6193, 6642..6644		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	958	End	2084
GI	none	Score	74
Exons	958..1017, 1193..1240, 1298..1330, 1745..1858, 1935..2084, 1936..2070		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o3.tm	Method	TBLASTX:Maize
Start	1793	End	2251
GI	none	Score	47
Exons	1793..1858, 1806..1871, 1933..2094, 1935..2093, 1936..2094, 1949..2107, 2180..2251, 2181..2228		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o1.gp	Method	AAT/GAP
Start	2332	End	3150
GI	62196_1.R1084	Score	773
Exons	2332..2445, 2589..2709, 2822..2982, 3075..3150		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 3.0e-33 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	2616	End	3123
GI	none	Score	119
Exons	2616..2708, 2617..2709, 2618..2713, 2800..2958, 2816..3025, 2822..2959, 2961..2984, 3072..3122, 3076..3123		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o2.ts	Method	TBLASTX:Soybean
Start	2658	End	3107
GI	none	Score	45
Exons	2658..2708, 2659..2709, 2800..2979, 2822..3010, 3072..3107		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	3135	End	4708
GI	none	Score	56
Exons	3135..3188, 3137..3166, 3225..3314, 3233..3313, 3277..3318, 4097..4183, 4098..4175, 4108..4176, 4268..4372, 4287..4373, 4287..4382, 4438..4512, 4441..4512, 4646..4708, 4651..4707, 4652..4708		

Seq. No.	3411	Seq. ID	OJ991022_02.0211.C11
Gene No.	7274	Strand	-
Start	1	End	14305
Name	OJ991022_02.0211.C11.o3.gs	Method	GENSCAN
Start	8064	End	14289
GI	none	Score	.8
Exons	8064..8233, 8986..9133, 10704..10821, 10906..11003, 11547..11636, 13106..13231, 13346..13459, 13596..13719, 13973..14127, 14212..14289		

Seq. No.	3412	Seq. ID	OJ991022_02.0211.C13
Gene No.	7275	Strand	-
Start	1	End	690
Name	OJ991022_02.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	149
GI	4539658	Score	97
Exons	1..149		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	3412	Seq. ID	OJ991022_02.0211.C13
Gene No.	7275	Strand	-
Start	1	End	690
Name	OJ991022_02.0211.C13.o1.gp	Method	AAT/GAP
Start	34	End	318
GI	LIB3475-004-P1-K2-A5	Score	371
Exons	34..221, 264..318		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	3412	Seq. ID	OJ991022_02.0211.C13
Gene No.	7275	Strand	-
Start	1	End	690
Name	OJ991022_02.0211.C13.o2.np	Method	AAT/NAP
Start	175	End	690
GI	5091513	Score	456
Exons	175..690		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3412	Seq. ID	OJ991022_02.0211.C13
Gene No.	7275	Strand	-
Start	1	End	690
Name	OJ991022_02.0211.C13.o1.gs	Method	GENSCAN
Start	351	End	629
GI	none	Score	.65
Exons	351..629		

Seq. No.	3413	Seq. ID	OJ991022_02.0211.C14
Gene No.	7276	Strand	+
Start	1	End	2095
Name	OJ991022_02.0211.C14.o1.np	Method	AAT/NAP
Start	1	End	2095
GI	6642649	Score	500
Exons	1..59, 766..885, 1589..1704, 1797..1877, 2009..2095		
GI Descrip.	(AC012395) putative glucan synthase [Arabidopsis thaliana]		

Seq. No.	3413	Seq. ID	OJ991022_02.0211.C14
Gene No.	7276	Strand	+
Start	1	End	2095
Name	OJ991022_02.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	762	End	897
GI	none	Score	206
Exons	762..887, 766..897		

Seq. No.	3413	Seq. ID	OJ991022_02.0211.C14
Gene No.	7276	Strand	+
Start	1	End	2095

Name	OJ991022_02.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	763	End	2095
GI	none	Score	204
Exons	763..885, 765..887, 766..885, 1586..1696, 1587..1697, 1588..1704, 1589..1702, 1792..1863, 1794..1856, 1794..1868, 1795..1869, 2003..2080, 2007..2093, 2009..2095		

Seq. No.	3413	Seq. ID	OJ991022_02.0211.C14
Gene No.	7276	Strand	+
Start	1	End	2095
Name	OJ991022_02.0211.C14.o1.gs	Method	GENSCAN
Start	766	End	1877
GI	none	Score	.86
Exons	766..885, 1589..1704, 1797..1877		

Seq. No.	3413	Seq. ID	OJ991022_02.0211.C14
Gene No.	7276	Strand	+
Start	1	End	2095
Name	OJ991022_02.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	802	End	2092
GI	none	Score	127
Exons	802..897, 804..887, 1586..1702, 1588..1704, 1589..1702, 1819..1872, 1821..1868, 2007..2069, 2009..2092		

Seq. No.	3413	Seq. ID	OJ991022_02.0211.C14
Gene No.	7276	Strand	+
Start	1	End	2095
Name	OJ991022_02.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	1588	End	2093
GI	none	Score	157
Exons	1588..1704, 1589..1702, 1594..1704, 1794..1868, 1794..1868, 1795..1890, 2006..2086, 2007..2093, 2007..2087		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.np	Method	AAT/NAP
Start	1	End	4910
GI	4588012	Score	1625
Exons	1..146, 570..746, 1758..1805, 1932..2090, 2205..2318, 2393..2481, 2945..3103, 3369..3471, 3570..3689, 4121..4171, 4271..4453, 4677..4910		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.ts	Method	TBLASTX:Soybean
Start	89	End	2482
GI	none	Score	99
Exons	89..148, 90..149, 567..752, 569..679, 1742..1804, 1743..1805, 1931..2122, 1938..2099, 2196..2318, 2200..2316, 2204..2317, 2390..2482, 2392..2481		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+

Start	1	End	7698
Name	OJ991022_02.0211.C15.o2.tm	Method	TBLASTX:Maize
Start	90	End	761
GI	none	Score	98
Exons	90..149, 567..752, 567..761		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o4.tc	Method	TBLASTX:Cress
Start	90	End	1825
GI	none	Score	103
Exons	90..149, 543..752, 566..676, 585..746, 1683..1805, 1748..1804, 1760..1825		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.gs	Method	GENSCAN
Start	94	End	7698
GI	none	Score	.58
Exons	94..146, 570..746, 1758..1805, 1973..2090, 2276..2337, 2363..2481, 2945..3103, 3369..3471, 3570..3689, 4271..4453, 4677..4860, 6908..6974, 7524..7698		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.gp	Method	AAT/GAP
Start	650	End	2437
GI	uC-osflcyp007h03b1	Score	814
Exons	650..746, 1758..1805, 1932..2090, 2205..2318, 2393..2437		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 4.0e-56 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	1771	End	5009
GI	none	Score	46
Exons	1771..1809, 1779..1805, 1780..1806, 1927..2091, 1928..2092, 1932..2099, 1938..2099, 2196..2318, 2203..2340, 2204..2317, 2390..2482, 2390..2482, 2945..3109, 2945..3109, 2946..3113, 2946..3116, 3366..3470, 3367..3471, 3368..3469, 3370..3471, 3371..3481, 3566..3691, 3567..3692, 4094..4171, 4120..4176, 4244..4468, 4265..4339, 4270..4452, 4586..4684, 4652..4915, 4654..4914, 4677..4925, 4677..4919, 4679..4924, 4926..4964, 4940..4969, 4967..5008, 4977..5009		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.tc	Method	TBLASTX:Cress
Start	1959	End	2502
GI	none	Score	183
Exons	1959..2099, 1970..2050, 2013..2081, 2196..2318, 2203..2340,		

2204..2317, 2390..2482, 2390..2479, 2392..2502

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o1.tw	Method	TBLASTX:Wheat
Start	2205	End	2493
GI	none	Score	150
Exons	2205..2318, 2216..2314, 2390..2479, 2392..2493		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o4.ts	Method	TBLASTX:Soybean
Start	2945	End	4468
GI	none	Score	243
Exons	2945..3109, 2946..3113, 4121..4171, 4262..4468		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o3.tc	Method	TBLASTX:Cress
Start	2951	End	3625
GI	none	Score	250
Exons	2951..3109, 2952..3113, 3354..3479, 3366..3461, 3367..3471, 3370..3471, 3566..3625, 3567..3623		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o3.ts	Method	TBLASTX:Soybean
Start	3366	End	3692
GI	none	Score	64
Exons	3366..3461, 3367..3474, 3369..3404, 3370..3471, 3371..3481, 3444..3551, 3566..3688, 3566..3688, 3567..3692		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o2.gp	Method	AAT/GAP
Start	4367	End	5182
GI	20288_1.R1084	Score	1078
Exons	4367..4453, 4677..5182		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 2.0e-30 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o2.tc	Method	TBLASTX:Cress
Start	4391	End	4914
GI	none	Score	70
Exons	4391..4468, 4677..4901, 4679..4894, 4689..4901, 4750..4914		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698

Name	OJ991022_02.0211.C15.o2.tw	Method	TBLASTX:Wheat
Start	4391	End	4904
GI	none	Score	63
Exons	4391..4465, 4677..4904, 4709..4894		

Seq. No.	3414	Seq. ID	OJ991022_02.0211.C15
Gene No.	7277	Strand	+
Start	1	End	7698
Name	OJ991022_02.0211.C15.o2.ts	Method	TBLASTX:Soybean
Start	4660	End	4916
GI	none	Score	333
Exons	4660..4872, 4671..4916, 4676..4897		

Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7278	Strand	+
Start	2344	End	7271
Name	OJ991022_02.0211.C16.o1.gp	Method	AAT/GAP
Start	2344	End	7271
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	2344..2366, 5362..5409, 7243..7271		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7279	Strand	-
Start	3403	End	4598
Name	OJ991022_02.0211.C16.o1.np	Method	AAT/NAP
Start	2314	End	4598
GI	5668784	Score	565
Exons	2314..2342, 3963..4240, 4333..4598		
GI Descrip.	(AC007894) Strong similarity to M4 protein gb|X90381 from Arabidopsis thaliana and contains 2 PF|00249 Myb-like DNA-binding domains. EST gb|H36793 comes from this gene.		

Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7279	Strand	-
Start	3403	End	4598
Name	OJ991022_02.0211.C16.o1.gs	Method	GENSCAN
Start	3403	End	4598
GI	none	Score	.82
Exons	3403..4240, 4333..4598		

Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7279	Strand	-
Start	3403	End	4598
Name	OJ991022_02.0211.C16.o1.tc	Method	TBLASTX:Cress
Start	3980	End	4572
GI	none	Score	44
Exons	3980..4027, 4111..4230, 4112..4243, 4332..4571, 4462..4572		

Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7279	Strand	-
Start	3403	End	4598
Name	OJ991022_02.0211.C16.o1.ts	Method	TBLASTX:Soybean
Start	4111	End	4592
GI	none	Score	95

Exons	4111..4230, 4112..4243, 4332..4580, 4459..4560, 4572..4592		
Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7279	Strand	-
Start	3403	End	4598
Name	OJ991022_02.0211.C16.o1.tm	Method	TBLASTX:Maize
Start	4123	End	4598
GI	none	Score	111
Exons	4123..4230, 4130..4243, 4142..4243, 4332..4580, 4462..4563, 4572..4598		
Seq. No.	3415	Seq. ID	OJ991022_02.0211.C16
Gene No.	7279	Strand	-
Start	3403	End	4598
Name	OJ991022_02.0211.C16.o1.tw	Method	TBLASTX:Wheat
Start	4126	End	4580
GI	none	Score	116
Exons	4126..4230, 4127..4243, 4148..4243, 4330..4410, 4332..4580, 4459..4569		
Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7280	Strand	+
Start	1	End	400
Name	OJ991022_02.0211.C17.o1.np	Method	AAT/NAP
Start	1	End	400
GI	6006359	Score	57
Exons	1..78, 283..400		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7281	Strand	-
Start	11813	End	17315
Name	OJ991022_02.0211.C17.o1.gp	Method	AAT/GAP
Start	11526	End	14662
GI	16953_1.R1084	Score	2363
Exons	11526..12319, 12669..12752, 13282..13357, 13459..13562, 14488..14662		
GI Descrip.	'2245131/emb|CAB10552.1| 2.0e-75 (Z97344) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7281	Strand	-
Start	11813	End	17315
Name	OJ991022_02.0211.C17.o2.np	Method	AAT/NAP
Start	11794	End	13562
GI	2245131	Score	621
Exons	11794..12300, 12650..12752, 13282..13370, 13442..13562		
GI Descrip.	(Z97344) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7281	Strand	-
Start	11813	End	17315
Name	OJ991022_02.0211.C17.o3.gs	Method	GENSCAN
Start	11813	End	17296
GI	none	Score	.73
Exons	11813..12319, 12669..12752, 13282..13357, 13459..13562, 14488..14616, 15843..16049, 17084..17296		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7281	Strand	-
Start	11813	End	17315
Name	OJ991022_02.0211.C17.o2.gp	Method	AAT/GAP
Start	17084	End	17315
GI	2442551	Score	393
Exons	17084..17315		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7282	Strand	-
Start	18365	End	22724
Name	OJ991022_02.0211.C17.o3.gp	Method	AAT/GAP
Start	18076	End	18563
GI	84668_1.R1084	Score	936
Exons	18076..18563		
GI Descrip.	'5123701/emb|CAB45445.1| 2.0e-19 (AL079347) putative protein [Arabidopsis thaliana]'		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7282	Strand	-
Start	18365	End	22724
Name	OJ991022_02.0211.C17.o4.gs	Method	GENSCAN
Start	18365	End	22431
GI	none	Score	.77
Exons	18365..18562, 18947..19039, 19265..19339, 19733..19807, 19896..20002, 20126..20217, 21892..21972, 22275..22431		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7282	Strand	-
Start	18365	End	22724
Name	OJ991022_02.0211.C17.o3.np	Method	AAT/NAP
Start	18368	End	20180
GI	5123701	Score	637
Exons	18368..18596, 18945..19039, 19265..19339, 19733..19807, 19896..20002, 20126..20180		
GI Descrip.	(AL079347) putative protein [Arabidopsis thaliana]		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7282	Strand	-
Start	18365	End	22724
Name	OJ991022_02.0211.C17.o4.gp	Method	AAT/GAP
Start	18938	End	20930
GI	9810_1.R1084	Score	972
Exons	18938..19039, 19265..19339, 19733..19807, 19896..20002, 20126..20217, 20666..20729, 20812..20930		
GI Descrip.	'4490332/emb|CAB38614.1| 1.0e-44 (AL035656) putative protein [Arabidopsis thaliana]'		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7282	Strand	-
Start	18365	End	22724
Name	OJ991022_02.0211.C17.o4.np	Method	AAT/NAP
Start	20053	End	22724
GI	5059025	Score	133
Exons	20053..20078, 22511..22724		
GI Descrip.	(AF110382) 3-hydroxy-3-methylglutaryl-coenzyme A reductase		

[Oryza sativa]

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o1.tm	Method	TBLASTX:Maize
Start	11755	End	13564
GI	none	Score	47
Exons	11755..11802, 11800..11973, 11811..11846, 11837..12289, 11838..12251, 12095..12295, 12127..12300, 12136..12300, 12669..12743, 12669..12761, 12670..12753, 12671..12754, 13281..13358, 13282..13359, 13283..13360, 13459..13563, 13461..13562, 13463..13564		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o1.ts	Method	TBLASTX:Soybean
Start	11858	End	13574
GI	none	Score	43
Exons	11858..11983, 11858..12286, 11862..12248, 12092..12295, 12678..12761, 13282..13359, 13283..13354, 13461..13574, 13468..13557		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o1.tc	Method	TBLASTX:Cress
Start	11870	End	13569
GI	none	Score	302
Exons	11870..12283, 11871..12251, 12173..12280, 12678..12803, 13282..13335, 13459..13569, 13461..13565		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o1.tw	Method	TBLASTX:Wheat
Start	11927	End	12176
GI	none	Score	64
Exons	11927..12175, 11928..12176, 11933..11986, 11949..12176		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o2.tw	Method	TBLASTX:Wheat
Start	13282	End	13607
GI	none	Score	122
Exons	13282..13359, 13283..13360, 13459..13563, 13459..13563, 13460..13564, 13464..13607, 13469..13579		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o2.tm	Method	TBLASTX:Maize
Start	18137	End	20735
GI	none	Score	66
Exons	18137..18193, 18146..18193, 18199..18237, 18200..18238,		

18359..18565, 18363..18563, 18365..18565, 18366..18569,
18940..19041, 18943..19023, 18947..19072, 18948..19037,
19259..19339, 19262..19339, 19266..19340, 19267..19344,
19731..19814, 19736..19813, 19742..19846, 19891..20007,
19896..20003, 20124..20216, 20125..20220, 20125..20217,
20677..20730, 20679..20735

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o3.tc	Method	TBLASTX:Cress
Start	18359	End	18565
GI	none	Score	180
Exons	18359..18565, 18369..18563		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o2.tc	Method	TBLASTX:Cress
Start	18965	End	20749
GI	none	Score	84
Exons	18965..19078, 19262..19339, 19722..19814, 19736..19813, 19891..20007, 19893..20003, 20124..20219, 20645..20749, 20662..20730		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o2.ts	Method	TBLASTX:Soybean
Start	19725	End	20731
GI	none	Score	78
Exons	19725..19814, 19736..19813, 19891..20007, 19896..20003, 20124..20216, 20125..20217, 20672..20731, 20680..20730		

Seq. No.	3416	Seq. ID	OJ991022_02.0211.C17
Gene No.	7283	Strand	-
Start	22645	End	22774
Name	OJ991022_02.0211.C17.o5.gp	Method	AAT/GAP
Start	22645	End	22774
GI	15443_1.R1084	Score	172
Exons	22645..22774		
GI Descrip.	'3047096 6.0e-21 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]'		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7284	Strand	+
Start	8406	End	11693
Name	OJ991022_02.0211.C18.o1.gp	Method	AAT/GAP
Start	8406	End	11693
GI	23462_1.R1084	Score	2509
Exons	8406..8728, 9448..9515, 9695..9850, 10694..10885, 10967..11140, 11271..11693		
GI Descrip.	'481815/pir||S39502 5.0e-56 vegetative storage protein - western balsam poplar x cottonwood >gi_309839 (L20233) vegetative storage protein [Populus trichocarpa x Populus deltoides]'		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7284	Strand	+
Start	8406	End	11693
Name	OJ991022_02.0211.C18.o1.np	Method	AAT/NAP
Start	8485	End	11426
GI	5051776	Score	372
Exons	8485..8732, 9470..9515, 9695..9867, 10705..10891, 10967..11140, 11271..11426		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7284	Strand	+
Start	8406	End	11693
Name	OJ991022_02.0211.C18.o3.gs	Method	GENSCAN
Start	9425	End	11462
GI	none	Score	.84
Exons	9425..9454, 9695..9850, 10694..10885, 10967..11140, 11271..11462		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7285	Strand	-
Start	7900	End	9792
Name	OJ991022_02.0211.C18.o2.gs	Method	GENSCAN
Start	7900	End	8760
GI	none	Score	.88
Exons	7900..8004, 8500..8760		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7285	Strand	-
Start	7900	End	9792
Name	OJ991022_02.0211.C18.o3.tm	Method	TBLASTX:Maize
Start	8593	End	9792
GI	none	Score	192
Exons	8593..8730, 8603..8728, 8604..8729, 9435..9518, 9446..9517, 9692..9790, 9694..9792		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7286	Strand	
Start	10693	End	10991
Name	OJ991022_02.0211.C18.o1.tm	Method	TBLASTX:Maize
Start	10693	End	10991
GI	none	Score	89
Exons	10693..10761, 10694..10762, 10756..10887, 10757..10915, 10950..10991		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7287	Strand	
Start	12202	End	12409
Name	OJ991022_02.0211.C18.o1.ts	Method	TBLASTX:Soybean
Start	12202	End	12409
GI	none	Score	160
Exons	12202..12408, 12209..12409		

Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7287	Strand	
Start	12202	End	12409
Name	OJ991022_02.0211.C18.o2.tm	Method	TBLASTX:Maize
Start	12205	End	12409

GI	none	Score	141
Exons	12205..12408, 12215..12409		
Seq. No.	3417	Seq. ID	OJ991022_02.0211.C18
Gene No.	7287	Strand	
Start	12202	End	12409
Name	OJ991022_02.0211.C18.o1.tc	Method	TBLASTX:Cress
Start	12208	End	12409
GI	none	Score	187
Exons	12208..12408, 12209..12409		
Seq. No.	3418	Seq. ID	OJ991102_02.0223.C1
Gene No.	7288	Strand	+
Start	3661	End	3818
Name	OJ991102_02.0223.C1.o1.gs	Method	GENSCAN
Start	3661	End	3818
GI	none	Score	.9
Exons	3661..3755, 3767..3818		
Seq. No.	3419	Seq. ID	OJ991102_02.0223.C2
Gene No.	7289	Strand	+
Start	147	End	2311
Name	OJ991102_02.0223.C2.o1.gs	Method	GENSCAN
Start	147	End	2087
GI	none	Score	.93
Exons	147..170, 658..716, 1382..1499, 1574..1612, 1731..2087		
Seq. No.	3419	Seq. ID	OJ991102_02.0223.C2
Gene No.	7289	Strand	+
Start	147	End	2311
Name	OJ991102_02.0223.C2.o1.np	Method	AAT/NAP
Start	658	End	2311
GI	4204310	Score	135
Exons	658..710, 1169..1250, 1382..1499, 1574..1612, 1728..1853, 2266..2311		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		
Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3
Gene No.	7290	Strand	+
Start	1	End	3507
Name	OJ991102_02.0223.C3.o1.np	Method	AAT/NAP
Start	1	End	1905
GI	6437559	Score	301
Exons	1..110, 937..1021, 1055..1719, 1852..1905		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		
Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3
Gene No.	7290	Strand	+
Start	1	End	3507
Name	OJ991102_02.0223.C3.o1.gs	Method	GENSCAN
Start	137	End	3507
GI	none	Score	.71
Exons	137..194, 322..688, 728..820, 893..1275, 1340..2194, 2257..2388, 2554..2679, 3443..3507		
Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3

Gene No.	7291	Strand	+
Start	4559	End	7287
Name	OJ991102_02.0223.C3.o2.np	Method	AAT/NAP
Start	4559	End	7287
GI	6437559	Score	137
Exons	4559..4915, 6723..6800, 7216..7287		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3
Gene No.	7292	Strand	-
Start	5369	End	7081
Name	OJ991102_02.0223.C3.o1.tw	Method	TBLASTX:Wheat
Start	92	End	6453
GI	none	Score	105
Exons	92..238, 282..389, 1345..1452, 1444..1470, 1555..1632, 2292..2465, 2475..2621, 2496..2633, 6078..6152, 6226..6255, 6286..6453, 6303..6410		

Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3
Gene No.	7292	Strand	-
Start	5369	End	7081
Name	OJ991102_02.0223.C3.o1.tm	Method	TBLASTX:Maize
Start	101	End	6128
GI	none	Score	66
Exons	101..157, 1168..1275, 1176..1298, 1176..1304, 1289..1672, 1289..1663, 1296..1733, 1297..1851, 1300..1800, 2089..2196, 2226..2351, 5531..5656, 5531..5656, 5930..6052, 6060..6128		

Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3
Gene No.	7292	Strand	-
Start	5369	End	7081
Name	OJ991102_02.0223.C3.o2.tm	Method	TBLASTX:Maize
Start	166	End	6411
GI	none	Score	76
Exons	166..234, 167..232, 231..392, 240..389, 280..396, 289..393, 2357..2542, 2358..2633, 2364..2621, 6158..6178, 6229..6411, 6235..6408		

Seq. No.	3420	Seq. ID	OJ991102_02.0223.C3
Gene No.	7292	Strand	-
Start	5369	End	7081
Name	OJ991102_02.0223.C3.o2.gs	Method	GENSCAN
Start	5369	End	7081
GI	none	Score	.67
Exons	5369..5640, 5743..5897, 6121..6231, 6290..6336, 7007..7081		

Seq. No.	3421	Seq. ID	OJ991102_02.0223.C4
Gene No.	7293	Strand	+
Start	6510	End	7228
Name	OJ991102_02.0223.C4.o1.np	Method	AAT/NAP
Start	6510	End	7228
GI	6437559	Score	288
Exons	6510..6927, 7176..7228		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	3421	Seq. ID	OJ991102_02.0223.C4
Gene No.	7294	Strand	-

Start	2316	End	3338
Name	OJ991102_02.0223.C4.o1.gs	Method	GENSCAN
Start	2316	End	3338
GI	none	Score	.58
Exons	2316..2388, 2619..2780, 2822..2948, 2993..3121, 3263..3338		

Seq. No.	3421	Seq. ID	OJ991102_02.0223.C4
Gene No.	7295	Strand	
Start	6507	End	6959
Name	OJ991102_02.0223.C4.o1.tc	Method	TBLASTX:Cress
Start	6507	End	6884
GI	none	Score	140
Exons	6507..6698, 6569..6697, 6672..6884, 6698..6877		

Seq. No.	3421	Seq. ID	OJ991102_02.0223.C4
Gene No.	7295	Strand	
Start	6507	End	6959
Name	OJ991102_02.0223.C4.o1.tm	Method	TBLASTX:Maize
Start	6546	End	6959
GI	none	Score	388
Exons	6546..6959, 6554..6937		

Seq. No.	3421	Seq. ID	OJ991102_02.0223.C4
Gene No.	7295	Strand	
Start	6507	End	6959
Name	OJ991102_02.0223.C4.o1.ts	Method	TBLASTX:Soybean
Start	6578	End	6815
GI	none	Score	112
Exons	6578..6697, 6579..6698, 6702..6815, 6704..6814		

Seq. No.	3422	Seq. ID	OJ991102_02.0223.C5
Gene No.	7296	Strand	-
Start	1	End	151
Name	OJ991102_02.0223.C5.o1.np	Method	AAT/NAP
Start	1	End	151
GI	6721547	Score	92
Exons	1..151		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7297	Strand	+
Start	326	End	3136
Name	OJ991102_02.0223.C7.o1.gs	Method	GENSCAN
Start	326	End	3136
GI	none	Score	.45
Exons	326..484, 625..1495, 1970..2306, 2703..2991, 3110..3136		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o1.tm	Method	TBLASTX:Maize
Start	2151	End	2865
GI	none	Score	80
Exons	2151..2309, 2158..2385, 2158..2286, 2169..2378, 2384..2500, 2388..2426, 2517..2861, 2521..2865		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7

Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o2.gs	Method	GENSCAN
Start	3168	End	5178
GI	none	Score	.87
Exons	3168..4312, 4363..4714, 5014..5178		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o2.np	Method	AAT/NAP
Start	3171	End	5237
GI	6069646	Score	981
Exons	3171..4142, 4424..5237		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o4.tw	Method	TBLASTX:Wheat
Start	3204	End	3584
GI	none	Score	104
Exons	3204..3416, 3438..3584		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o3.tm	Method	TBLASTX:Maize
Start	3288	End	3821
GI	none	Score	106
Exons	3288..3821, 3373..3720		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o3.tw	Method	TBLASTX:Wheat
Start	3597	End	3959
GI	none	Score	76
Exons	3597..3749, 3759..3959		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o5.tm	Method	TBLASTX:Maize
Start	3924	End	4227
GI	none	Score	112
Exons	3924..4226, 4087..4227		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o1.ts	Method	TBLASTX:Soybean
Start	4044	End	4588

GI	none	Score	62
Exons	4044..4169, 4087..4212, 4229..4588		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o1.tw	Method	TBLASTX:Wheat
Start	4128	End	4567
GI	none	Score	63
Exons	4128..4250, 4265..4567, 4299..4478		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o2.tm	Method	TBLASTX:Maize
Start	4238	End	4894
GI	none	Score	110
Exons	4238..4894, 4305..4661, 4734..4835		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o2.tw	Method	TBLASTX:Wheat
Start	4665	End	4987
GI	none	Score	76
Exons	4665..4805, 4691..4987		

Seq. No.	3423	Seq. ID	OJ991102_02.0223.C7
Gene No.	7298	Strand	-
Start	3168	End	5237
Name	OJ991102_02.0223.C7.o4.tm	Method	TBLASTX:Maize
Start	4895	End	5229
GI	none	Score	53
Exons	4895..4996, 4896..5012, 4979..5083, 5098..5229, 5101..5199		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o1.np	Method	AAT/NAP
Start	1155	End	4273
GI	6671947	Score	1570
Exons	1155..1279, 1510..1625, 1716..1823, 1893..2111, 2194..2459, 3390..3547, 3642..3789, 3938..4018, 4225..4273		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	1157	End	2437
GI	none	Score	126
Exons	1157..1282, 1185..1280, 1508..1627, 1508..1615, 1510..1626, 1716..1790, 1717..1809, 1718..1810, 1797..1823, 1882..2121, 1884..2123, 1885..2124, 1893..2135, 2182..2277, 2182..2400, 2195..2395, 2329..2403, 2404..2433, 2405..2437		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o3.ts	Method	TBLASTX:Soybean
Start	1157	End	1937
GI	none	Score	97
Exons	1157..1282, 1182..1280, 1502..1627, 1508..1624, 1510..1626, 1716..1799, 1717..1809, 1718..1810, 1887..1937, 1892..1930, 1893..1934		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o1.gs	Method	GENSCAN
Start	1181	End	4595
GI	none	Score	.64
Exons	1181..1279, 1510..1650, 1893..2111, 2194..2459, 3390..3547, 3642..3792, 3938..4079, 4117..4145, 4244..4595		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o2.tc	Method	TBLASTX:Cress
Start	1193	End	1940
GI	none	Score	96
Exons	1193..1282, 1194..1280, 1475..1624, 1508..1627, 1509..1625, 1510..1626, 1698..1799, 1717..1809, 1718..1810, 1879..1938, 1887..1940, 1893..1940		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	1938	End	2281
GI	none	Score	184
Exons	1938..2135, 1938..2123, 2182..2280, 2195..2281		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	1941	End	2397
GI	none	Score	172
Exons	1941..2123, 1942..2124, 1942..2127, 2182..2280, 2182..2397, 2187..2315, 2195..2395		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	2398	End	3797
GI	none	Score	79
Exons	2398..2460, 2402..2461, 3391..3546, 3404..3547, 3414..3590, 3414..3548, 3617..3742, 3621..3797, 3641..3793		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-

Start	1155	End	4595
Name	OJ991102_02.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	3469	End	4010
GI	none	Score	100
Exons	3469..3546, 3470..3547, 3617..3742, 3641..3793, 3642..3797, 3960..4010		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o3.tc	Method	TBLASTX:Cress
Start	3473	End	4010
GI	none	Score	82
Exons	3473..3547, 3475..3546, 3481..3549, 3617..3742, 3621..3776, 3641..3775, 3954..4010		

Seq. No.	3424	Seq. ID	OJ991102_02.0223.C9
Gene No.	7299	Strand	-
Start	1155	End	4595
Name	OJ991102_02.0223.C9.o1.gp	Method	AAT/GAP
Start	4244	End	4437
GI	none	Score	313
Exons	4244..4437		

Seq. No.	3425	Seq. ID	OJ991102_02.0223.C10
Gene No.	7300	Strand	+
Start	45	End	433
Name	OJ991102_02.0223.C10.o1.gs	Method	GENSCAN
Start	45	End	433
GI	none	Score	.48
Exons	45..93, 353..433		

Seq. No.	3425	Seq. ID	OJ991102_02.0223.C10
Gene No.	7301	Strand	+
Start	4006	End	5055
Name	OJ991102_02.0223.C10.o2.gs	Method	GENSCAN
Start	4006	End	5055
GI	none	Score	.73
Exons	4006..4060, 4266..4396, 4861..5055		

Seq. No.	3425	Seq. ID	OJ991102_02.0223.C10
Gene No.	7302	Strand	+
Start	6457	End	11066
Name	OJ991102_02.0223.C10.o3.gs	Method	GENSCAN
Start	6457	End	11066
GI	none	Score	.65
Exons	6457..6840, 7394..7504, 7586..7744, 8021..8182, 8625..8741, 9067..9291, 9656..9831, 10192..10304, 10402..11066		

Seq. No.	3425	Seq. ID	OJ991102_02.0223.C10
Gene No.	7302	Strand	+
Start	6457	End	11066
Name	OJ991102_02.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	7433	End	9247
GI	none	Score	89
Exons	7433..7504, 7433..7504, 7438..7518, 7558..7743, 7578..7745, 7586..7744, 7625..7690, 7697..7741, 8011..8175, 8015..8182,		

8020..8205, 8021..8182, 8030..8059, 8105..8182, 8596..8700,
8619..8741, 8627..8740, 8711..8743, 8885..8992, 8886..8978,
8887..8979, 8891..8980, 8918..8974, 9088..9243, 9104..9247,
9136..9246

Seq. No.	3425	Seq. ID	OJ991102_02.0223.C10
Gene No.	7302	Strand	+
Start	6457	End	11066
Name	OJ991102_02.0223.C10.o1.ts	Method	TBLASTX:Soybean
Start	7472	End	8187
GI	none	Score	41
Exons	7472..7504, 7552..7746, 7586..7747, 8024..8185, 8026..8187		

Seq. No.	3425	Seq. ID	OJ991102_02.0223.C10
Gene No.	7302	Strand	+
Start	6457	End	11066
Name	OJ991102_02.0223.C10.o2.tm	Method	TBLASTX:Maize
Start	9274	End	9520
GI	none	Score	129
Exons	9274..9381, 9275..9385, 9276..9386, 9331..9468, 9339..9464, 9461..9520, 9463..9507		

Seq. No.	3426	Seq. ID	OJ991102_02.0223.C11
Gene No.	7303	Strand	+
Start	2375	End	3683
Name	OJ991102_02.0223.C11.o2.tm	Method	TBLASTX:Maize
Start	110	End	301
GI	none	Score	194
Exons	110..301, 133..300		

Seq. No.	3426	Seq. ID	OJ991102_02.0223.C11
Gene No.	7303	Strand	+
Start	2375	End	3683
Name	OJ991102_02.0223.C11.o1.tm	Method	TBLASTX:Maize
Start	1037	End	1505
GI	none	Score	350
Exons	1037..1399, 1038..1505, 1423..1491		

Seq. No.	3426	Seq. ID	OJ991102_02.0223.C11
Gene No.	7303	Strand	+
Start	2375	End	3683
Name	OJ991102_02.0223.C11.o1.tw	Method	TBLASTX:Wheat
Start	1236	End	1602
GI	none	Score	134
Exons	1236..1418, 1436..1540, 1436..1522, 1453..1539, 1555..1602		

Seq. No.	3426	Seq. ID	OJ991102_02.0223.C11
Gene No.	7303	Strand	+
Start	2375	End	3683
Name	OJ991102_02.0223.C11.o3.tm	Method	TBLASTX:Maize
Start	1683	End	1952
GI	none	Score	191
Exons	1683..1952, 1685..1831		

Seq. No.	3426	Seq. ID	OJ991102_02.0223.C11
Gene No.	7303	Strand	+
Start	2375	End	3683

Name	OJ991102_02.0223.C11.o1.np	Method	AAT/NAP
Start	2375	End	3683
GI	5777617	Score	90
Exons	2375..2446, 3537..3683		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3427	Seq. ID	OJ991102_02.0223.C12
Gene No.	7304	Strand	
Start	417	End	705
Name	OJ991102_02.0223.C12.o3.tm	Method	TBLASTX:Maize
Start	417	End	705
GI	none	Score	51
Exons	417..512, 498..551, 507..704, 592..705		

Seq. No.	3427	Seq. ID	OJ991102_02.0223.C12
Gene No.	7305	Strand	
Start	781	End	1347
Name	OJ991102_02.0223.C12.o1.tw	Method	TBLASTX:Wheat
Start	781	End	1151
GI	none	Score	130
Exons	781..1014, 783..1151		

Seq. No.	3427	Seq. ID	OJ991102_02.0223.C12
Gene No.	7305	Strand	
Start	781	End	1347
Name	OJ991102_02.0223.C12.o1.tm	Method	TBLASTX:Maize
Start	876	End	1347
GI	none	Score	67
Exons	876..962, 880..957, 975..1346, 1128..1346, 1159..1347		

Seq. No.	3427	Seq. ID	OJ991102_02.0223.C12
Gene No.	7306	Strand	
Start	1387	End	1821
Name	OJ991102_02.0223.C12.o1.ts	Method	TBLASTX:Soybean
Start	1387	End	1800
GI	none	Score	95
Exons	1387..1548, 1563..1790, 1591..1800		

Seq. No.	3427	Seq. ID	OJ991102_02.0223.C12
Gene No.	7306	Strand	
Start	1387	End	1821
Name	OJ991102_02.0223.C12.o2.tm	Method	TBLASTX:Maize
Start	1512	End	1821
GI	none	Score	112
Exons	1512..1820, 1518..1820, 1582..1821		

Seq. No.	3428	Seq. ID	OJ991102_02.0223.C13
Gene No.	7307	Strand	+
Start	49	End	879
Name	OJ991102_02.0223.C13.o1.gs	Method	GENSCAN
Start	49	End	879
GI	none	Score	.65
Exons	49..203, 336..879		

Seq. No.	3429	Seq. ID	OJ991102_02.0223.C14
Gene No.	7308	Strand	-
Start	64	End	948

Name	OJ991102_02.0223.C14.o1.tm	Method	TBLASTX:Maize
Start	4	End	346
GI	none	Score	66
Exons	4..75, 5..76, 87..344, 88..342, 194..346		

Seq. No.	3429	Seq. ID	OJ991102_02.0223.C14
Gene No.	7308	Strand	-
Start	64	End	948
Name	OJ991102_02.0223.C14.o1.np	Method	AAT/NAP
Start	64	End	600
GI	2462058	Score	199
Exons	64..408, 539..600		
GI Descrip.	(Y13389) reverse transcriptase [Antirrhinum majus]		

Seq. No.	3429	Seq. ID	OJ991102_02.0223.C14
Gene No.	7308	Strand	-
Start	64	End	948
Name	OJ991102_02.0223.C14.o1.tw	Method	TBLASTX:Wheat
Start	87	End	395
GI	none	Score	189
Exons	87..395, 121..360		

Seq. No.	3429	Seq. ID	OJ991102_02.0223.C14
Gene No.	7308	Strand	-
Start	64	End	948
Name	OJ991102_02.0223.C14.o1.gs	Method	GENSCAN
Start	443	End	887
GI	none	Score	.63
Exons	443..541, 585..887		

Seq. No.	3429	Seq. ID	OJ991102_02.0223.C14
Gene No.	7308	Strand	-
Start	64	End	948
Name	OJ991102_02.0223.C14.o2.np	Method	AAT/NAP
Start	539	End	948
GI	6539560	Score	241
Exons	539..755, 860..948		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3430	Seq. ID	OJ991102_02.0223.C16
Gene No.	7309	Strand	+
Start	794	End	1211
Name	OJ991102_02.0223.C16.o1.gs	Method	GENSCAN
Start	794	End	1211
GI	none	Score	.71
Exons	794..845, 1123..1211		

Seq. No.	3431	Seq. ID	OJ991102_02.0223.C17
Gene No.	7310	Strand	+
Start	1	End	978
Name	OJ991102_02.0223.C17.o1.np	Method	AAT/NAP
Start	1	End	978
GI	6671947	Score	296
Exons	1..128, 263..329, 466..548, 659..775, 959..978		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	3431	Seq. ID	OJ991102_02.0223.C17
Gene No.	7310	Strand	+
Start	1	End	978
Name	OJ991102_02.0223.C17.o1.tm	Method	TBLASTX:Maize
Start	24	End	795
GI	none	Score	57
Exons	24..122, 60..140, 61..141, 61..141, 62..163, 260..307, 262..306, 263..307, 309..332, 463..516, 463..516, 516..554, 516..557, 644..775, 655..774, 656..775, 658..795		

Seq. No.	3431	Seq. ID	OJ991102_02.0223.C17
Gene No.	7310	Strand	+
Start	1	End	978
Name	OJ991102_02.0223.C17.o1.gp	Method	AAT/GAP
Start	41	End	328
GI	none	Score	211
Exons	41..128, 263..328		

Seq. No.	3431	Seq. ID	OJ991102_02.0223.C17
Gene No.	7310	Strand	+
Start	1	End	978
Name	OJ991102_02.0223.C17.o1.tc	Method	TBLASTX:Cress
Start	60	End	775
GI	none	Score	92
Exons	60..131, 263..307, 309..332, 463..516, 516..554, 656..775, 658..774		

Seq. No.	3431	Seq. ID	OJ991102_02.0223.C17
Gene No.	7310	Strand	+
Start	1	End	978
Name	OJ991102_02.0223.C17.o1.ts	Method	TBLASTX:Soybean
Start	60	End	775
GI	none	Score	111
Exons	60..140, 62..160, 263..307, 265..309, 309..332, 309..332, 463..516, 463..516, 516..551, 658..774, 659..775		

Seq. No.	3431	Seq. ID	OJ991102_02.0223.C17
Gene No.	7310	Strand	+
Start	1	End	978
Name	OJ991102_02.0223.C17.o1.gs	Method	GENSCAN
Start	656	End	775
GI	none	Score	.46
Exons	656..775		

Seq. No.	3432	Seq. ID	OJ991102_02.0223.C18
Gene No.	7311	Strand	+
Start	1	End	1245
Name	OJ991102_02.0223.C18.o1.np	Method	AAT/NAP
Start	1	End	1077
GI	6671947	Score	191
Exons	1..54, 151..237, 1039..1077		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	3432	Seq. ID	OJ991102_02.0223.C18
Gene No.	7311	Strand	+
Start	1	End	1245

Name	OJ991102_02.0223.C18.o1.gs	Method	GENSCAN
Start	2	End	237
GI	none	Score	.45
Exons	2..54, 153..237		

Seq. No.	3432	Seq. ID	OJ991102_02.0223.C18
Gene No.	7311	Strand	+
Start	1	End	1245
Name	OJ991102_02.0223.C18.o1.gp	Method	AAT/GAP
Start	192	End	1245
GI	2799571	Score	471
Exons	192..237, 1039..1245		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7312	Strand	+
Start	142	End	880
Name	OJ991102_02.0223.C19.o1.gs	Method	GENSCAN
Start	142	End	880
GI	none	Score	.55
Exons	142..207, 698..880		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7313	Strand	+
Start	1614	End	3940
Name	OJ991102_02.0223.C19.o2.gs	Method	GENSCAN
Start	1614	End	3940
GI	none	Score	.56
Exons	1614..1976, 3114..3241, 3334..3414, 3522..3627, 3746..3940		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7313	Strand	+
Start	1614	End	3940
Name	OJ991102_02.0223.C19.o1.np	Method	AAT/NAP
Start	3147	End	3623
GI	5051789	Score	100
Exons	3147..3260, 3433..3623		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7314	Strand	+
Start	4999	End	5574
Name	OJ991102_02.0223.C19.o2.np	Method	AAT/NAP
Start	4779	End	5461
GI	6324539	Score	116
Exons	4779..4881, 5086..5262, 5378..5461		
GI Descrip.	Yol034wp gi|2131997|pir||S66717 hypothetical protein YOL034w - yeast (Saccharomyces cerevisiae) gi|1419827|emb|CAA99034| (Z74776) ORF YOL034w [Saccharomyces cerevisiae]		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7314	Strand	+
Start	4999	End	5574
Name	OJ991102_02.0223.C19.o3.gs	Method	GENSCAN
Start	4999	End	5574
GI	none	Score	.8
Exons	4999..5574		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7315	Strand	-
Start	1	End	278
Name	OJ991102_02.0223.C19.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	none	Score	532
Exons	1..278		

Seq. No.	3433	Seq. ID	OJ991102_02.0223.C19
Gene No.	7316	Strand	
Start	5080	End	5538
Name	OJ991102_02.0223.C19.o1.tm	Method	TBLASTX:Maize
Start	5080	End	5538
GI	none	Score	258
Exons	5080..5265, 5085..5162, 5378..5458, 5378..5443, 5431..5532, 5451..5537, 5452..5538		

Seq. No.	3434	Seq. ID	OJ991102_02.0223.C20
Gene No.	7317	Strand	+
Start	48	End	2437
Name	OJ991102_02.0223.C20.o1.gs	Method	GENSCAN
Start	48	End	2190
GI	none	Score	.74
Exons	48..1132, 1947..2190		

Seq. No.	3434	Seq. ID	OJ991102_02.0223.C20
Gene No.	7317	Strand	+
Start	48	End	2437
Name	OJ991102_02.0223.C20.o1.np	Method	AAT/NAP
Start	265	End	2437
GI	1572766	Score	316
Exons	265..566, 696..1124, 2417..2437		
GI Descrip.	(U70849) F29B9.4 gene product [Caenorhabditis elegans]		

Seq. No.	3434	Seq. ID	OJ991102_02.0223.C20
Gene No.	7318	Strand	-
Start	3051	End	3157
Name	OJ991102_02.0223.C20.o1.ts	Method	TBLASTX:Soybean
Start	204	End	1156
GI	none	Score	76
Exons	204..296, 489..569, 606..776, 650..751, 743..886, 768..923, 936..992, 1010..1126, 1011..1142, 1013..1156		

Seq. No.	3434	Seq. ID	OJ991102_02.0223.C20
Gene No.	7318	Strand	-
Start	3051	End	3157
Name	OJ991102_02.0223.C20.o1.tm	Method	TBLASTX:Maize
Start	627	End	1097
GI	none	Score	115
Exons	627..764, 650..751, 743..886, 768..923, 786..938, 1014..1097, 1019..1096		

Seq. No.	3434	Seq. ID	OJ991102_02.0223.C20
Gene No.	7318	Strand	-
Start	3051	End	3157
Name	OJ991102_02.0223.C20.o2.tm	Method	TBLASTX:Maize
Start	1951	End	2189

GI	none	Score	171
Exons	1951..2079, 1951..2079, 1953..2081, 1956..2096, 2036..2095, 2118..2189, 2121..2189		

Seq. No.	3434	Seq. ID	OJ991102_02.0223.C20
Gene No.	7318	Strand	-
Start	3051	End	3157
Name	OJ991102_02.0223.C20.o1.gp	Method	AAT/GAP
Start	3051	End	3157
GI	none	Score	169
Exons	3051..3157		

Seq. No.	3435	Seq. ID	OJ991102_02.0223.C21
Gene No.	7319	Strand	+
Start	1112	End	1249
Name	OJ991102_02.0223.C21.o1.gs	Method	GENSCAN
Start	1112	End	1249
GI	none	Score	.91
Exons	1112..1249		

Seq. No.	3436	Seq. ID	OJ991102_02.0223.C22
Gene No.	7320	Strand	+
Start	140	End	318
Name	OJ991102_02.0223.C22.o1.gs	Method	GENSCAN
Start	140	End	318
GI	none	Score	.76
Exons	140..318		

Seq. No.	3437	Seq. ID	OJ991102_02.0223.C23
Gene No.	7321	Strand	-
Start	1	End	84
Name	OJ991102_02.0223.C23.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	1..84		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3437	Seq. ID	OJ991102_02.0223.C23
Gene No.	7322	Strand	-
Start	3854	End	4201
Name	OJ991102_02.0223.C23.o1.np	Method	AAT/NAP
Start	3854	End	4201
GI	4680492	Score	147
Exons	3854..4201		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7323	Strand	+
Start	603	End	8740
Name	OJ991102_02.0223.C24.o1.gs	Method	GENSCAN
Start	603	End	8321
GI	none	Score	.72
Exons	603..682, 3672..3937, 7066..7248, 7309..7605, 7757..8321		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24

Gene No.	7323	Strand	+
Start	603	End	8740
Name	OJ991102_02.0223.C24.o1.np	Method	AAT/NAP
Start	6829	End	8740
GI	6907087	Score	830
Exons	6829..7231, 7430..8100, 8639..8740		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7324	Strand	+
Start	9205	End	9586
Name	OJ991102_02.0223.C24.o1.gp	Method	AAT/GAP
Start	9205	End	9586
GI	uC-osf1cyp033a04b1	Score	667
Exons	9205..9586		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7325	Strand	+
Start	10431	End	12709
Name	OJ991102_02.0223.C24.o3.gs	Method	GENSCAN
Start	10431	End	12411
GI	none	Score	.94
Exons	10431..10584, 11315..12411		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7325	Strand	+
Start	10431	End	12709
Name	OJ991102_02.0223.C24.o3.np	Method	AAT/NAP
Start	11185	End	12709
GI	4234846	Score	975
Exons	11185..11354, 11395..12709		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7326	Strand	-
Start	8633	End	11082
Name	OJ991102_02.0223.C24.o2.gs	Method	GENSCAN
Start	8633	End	9245
GI	none	Score	1
Exons	8633..8739, 9185..9245		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7326	Strand	-
Start	8633	End	11082
Name	OJ991102_02.0223.C24.o2.np	Method	AAT/NAP
Start	9133	End	11082
GI	4680186	Score	246
Exons	9133..9338, 11025..11082		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7327	Strand	
Start	11278	End	12185

Name	OJ991102_02.0223.C24.o1.tm	Method	TBLASTX:Maize
Start	11278	End	12185
GI	none	Score	565
Exons	11278..11856, 11382..11846, 11765..11869, 11941..12030, 12135..12185		

Seq. No.	3438	Seq. ID	OJ991102_02.0223.C24
Gene No.	7328	Strand	
Start	12186	End	12368
Name	OJ991102_02.0223.C24.o2.tm	Method	TBLASTX:Maize
Start	12186	End	12368
GI	none	Score	183
Exons	12186..12368, 12187..12366		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o1.np	Method	AAT/NAP
Start	1	End	2711
GI	4234854	Score	3264
Exons	1..2711		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o2.np	Method	AAT/NAP
Start	1	End	4393
GI	2204081	Score	85
Exons	1..33, 3081..3171, 3678..4033, 4184..4393		
GI Descrip.	(D86074) insoluble protein [Pinctada fucata]		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o4.ts	Method	TBLASTX:Soybean
Start	17	End	301
GI	none	Score	59
Exons	17..70, 47..70, 57..296, 74..301, 119..298, 166..300		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o2.tw	Method	TBLASTX:Wheat
Start	22	End	685
GI	none	Score	257
Exons	22..261, 23..262, 302..607, 328..585, 586..660, 587..685		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o3.tm	Method	TBLASTX:Maize
Start	38	End	496
GI	none	Score	128
Exons	38..262, 311..496, 313..474		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25

Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o2.tc	Method	TBLASTX:Cress
Start	302	End	682
GI	none	Score	116
Exons	302..502, 515..682		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o2.ts	Method	TBLASTX:Soybean
Start	302	End	688
GI	none	Score	178
Exons	302..511, 358..483, 515..688		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o1.ts	Method	TBLASTX:Soybean
Start	1197	End	1634
GI	5509260	Score	350
Exons	1197..1634, 1208..1558		
GI Descrip.	-		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o1.tc	Method	TBLASTX:Cress
Start	1284	End	1544
GI	none	Score	245
Exons	1284..1544, 1286..1522		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o1.tw	Method	TBLASTX:Wheat
Start	1325	End	2117
GI	none	Score	353
Exons	1325..1672, 1326..1670, 1326..1679, 1655..2098, 1656..2117		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o2.tm	Method	TBLASTX:Maize
Start	1326	End	1769
GI	none	Score	262
Exons	1326..1634, 1343..1633, 1668..1769		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o1.tm	Method	TBLASTX:Maize
Start	1770	End	2201
GI	none	Score	81
Exons	1770..1931, 1905..2201, 2045..2200		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25

Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o3.ts	Method	TBLASTX:Soybean
Start	2091	End	2657
GI	none	Score	106
Exons	2091..2270, 2282..2383, 2286..2477, 2466..2657		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o4.tm	Method	TBLASTX:Maize
Start	2214	End	2672
GI	none	Score	48
Exons	2214..2270, 2256..2432, 2481..2672		

Seq. No.	3439	Seq. ID	OJ991102_02.0223.C25
Gene No.	7329	Strand	+
Start	1	End	4393
Name	OJ991102_02.0223.C25.o3.tw	Method	TBLASTX:Wheat
Start	2265	End	2660
GI	none	Score	284
Exons	2265..2660, 2288..2494		

Seq. No.	3440	Seq. ID	OJ991102_02.0223.C27
Gene No.	7330	Strand	-
Start	739	End	1365
Name	OJ991102_02.0223.C27.o1.tw	Method	TBLASTX:Wheat
Start	728	End	1278
GI	none	Score	92
Exons	728..880, 736..849, 925..1005, 931..1005, 1213..1278		

Seq. No.	3440	Seq. ID	OJ991102_02.0223.C27
Gene No.	7330	Strand	-
Start	739	End	1365
Name	OJ991102_02.0223.C27.o1.tm	Method	TBLASTX:Maize
Start	736	End	1330
GI	none	Score	137
Exons	736..849, 737..850, 738..851, 739..864, 925..1005, 931..1005, 936..1040, 1118..1330, 1213..1320		

Seq. No.	3440	Seq. ID	OJ991102_02.0223.C27
Gene No.	7330	Strand	-
Start	739	End	1365
Name	OJ991102_02.0223.C27.o1.ts	Method	TBLASTX:Soybean
Start	736	End	1320
GI	none	Score	61
Exons	736..789, 737..787, 796..849, 797..853, 931..1005, 938..1003, 954..1040, 1118..1318, 1213..1320		

Seq. No.	3440	Seq. ID	OJ991102_02.0223.C27
Gene No.	7330	Strand	-
Start	739	End	1365
Name	OJ991102_02.0223.C27.o1.np	Method	AAT/NAP
Start	739	End	1365
GI	6671947	Score	207
Exons	739..849, 934..1002, 1213..1365		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase		

[Arabidopsis thaliana]

Seq. No.	3440	Seq. ID	OJ991102_02.0223.C27
Gene No.	7330	Strand	-
Start	739	End	1365
Name	OJ991102_02.0223.C27.o1.gs	Method	GENSCAN
Start	1066	End	1321
GI	none	Score	.65
Exons	1066..1321		

Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o1.gp	Method	AAT/GAP
Start	1	End	290
GI	27404_1.R1084	Score	270
Exons	1..160, 261..290		
GI Descrip.	'4507857/ref|NP_003461.1|pUSP7| 3.0e-10 Herpes virus-associated ubiquitin-specific protease >gi_2501460_sp_Q93009_UBPH_HUMAN PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE HAUSP (UBIQUITIN THIOLESTERASE HAUSP) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE HAUSP) (DEUBIQUITINATING ENZYME HAUSP) (HERPESVIRUS ASSOCIATED UBIQUITIN-SPECIFIC PROTEASE) >gi_1545952_emb_CAA96580_ (Z72499) herpesvir'		

Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o1.np	Method	AAT/NAP
Start	1	End	1554
GI	6671947	Score	513
Exons	1..160, 261..341, 570..716, 826..905, 1524..1554		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o1.tm	Method	TBLASTX:Maize
Start	20	End	904
GI	none	Score	162
Exons	20..160, 21..158, 40..162, 567..722, 567..722, 823..903, 827..904		

Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o1.gs	Method	GENSCAN
Start	41	End	1321
GI	none	Score	.88
Exons	41..160, 261..341, 570..716, 826..933, 1211..1321		

Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o2.gp	Method	AAT/GAP
Start	301	End	1035

GI	none	Score	821
Exons	301..341, 570..1035		
Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o1.tc	Method	TBLASTX:Cress
Start	567	End	904
GI	none	Score	118
Exons	567..746, 567..722, 823..903, 827..904		
Seq. No.	3441	Seq. ID	OJ991102_02.0223.C28
Gene No.	7331	Strand	-
Start	1	End	1554
Name	OJ991102_02.0223.C28.o1.ts	Method	TBLASTX:Soybean
Start	568	End	905
GI	none	Score	110
Exons	568..717, 569..721, 570..722, 570..722, 814..903, 827..904, 828..905		
Seq. No.	3442	Seq. ID	OJ991102_02.0223.C29
Gene No.	7332	Strand	+
Start	1	End	330
Name	OJ991102_02.0223.C29.o1.np	Method	AAT/NAP
Start	1	End	330
GI	4755194	Score	140
Exons	1..330		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana] gi|4755195|gb|AAD29062.1|AC007018_10 (AC007018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3442	Seq. ID	OJ991102_02.0223.C29
Gene No.	7332	Strand	+
Start	1	End	330
Name	OJ991102_02.0223.C29.o1.tm	Method	TBLASTX:Maize
Start	1	End	309
GI	none	Score	78
Exons	1..54, 64..309, 66..239, 121..306		
Seq. No.	3442	Seq. ID	OJ991102_02.0223.C29
Gene No.	7332	Strand	+
Start	1	End	330
Name	OJ991102_02.0223.C29.o1.gs	Method	GENSCAN
Start	51	End	321
GI	none	Score	.99
Exons	51..321		
Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7333	Strand	+
Start	683	End	3658
Name	OJ991022_01.0229.C2.o1.gs	Method	GENSCAN
Start	683	End	3658
GI	none	Score	.63
Exons	683..795, 1659..1836, 2137..2267, 2410..2494, 3190..3378, 3485..3658		
Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2

Gene No.	7334	Strand	+
Start	6968	End	9769
Name	OJ991022_01.0229.C2.o1.gp	Method	AAT/GAP
Start	6968	End	7981
GI	62738_1.R1084	Score	673
Exons	6968..7197, 7606..7650, 7767..7846, 7935..7981		
GI Descrip.	'2132930/pir||S67159 1.0e-26 probable membrane protein YOR262w - yeast (Saccharomyces cerevisiae) >gi_1420591_emb_CAA99484_ (Z75170) ORF YOR262w [Saccharomyces cerevisiae]'		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7334	Strand	+
Start	6968	End	9769
Name	OJ991022_01.0229.C2.o3.gs	Method	GENSCAN
Start	7106	End	9614
GI	none	Score	.52
Exons	7106..7197, 7329..7471, 8059..8147, 8666..8822, 8895..8982, 9542..9614		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7334	Strand	+
Start	6968	End	9769
Name	OJ991022_01.0229.C2.o3.np	Method	AAT/NAP
Start	7106	End	9769
GI	6138898	Score	386
Exons	7106..7197, 7606..7650, 7767..7846, 7935..8006, 8479..8582, 8666..8822, 8895..8982, 9542..9614, 9691..9769		
GI Descrip.	(AL132675) conserved hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7335	Strand	-
Start	1	End	823
Name	OJ991022_01.0229.C2.o1.np	Method	AAT/NAP
Start	1	End	823
GI	2780192	Score	236
Exons	1..180, 349..567, 658..823		
GI Descrip.	(AJ222713) unnamed protein product [Arabidopsis thaliana]		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o1.ts	Method	TBLASTX:Soybean
Start	8	End	802
GI	none	Score	98
Exons	8..79, 110..145, 342..446, 344..457, 443..568, 462..575, 650..802, 654..800		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o3.tm	Method	TBLASTX:Maize
Start	344	End	809
GI	none	Score	95
Exons	344..514, 345..503, 503..547, 531..545, 650..808, 662..796, 690..809		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o3.tc	Method	TBLASTX:Cress
Start	350	End	844
GI	none	Score	98
Exons	350..514, 351..497, 527..565, 530..547, 650..844, 690..800		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o2.ts	Method	TBLASTX:Soybean
Start	4948	End	5606
GI	none	Score	60
Exons	4948..5043, 5088..5390, 5131..5259, 5415..5528, 5523..5606		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o2.gs	Method	GENSCAN
Start	5034	End	6824
GI	none	Score	.98
Exons	5034..6824		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o2.np	Method	AAT/NAP
Start	5055	End	7887
GI	4803934	Score	752
Exons	5055..6638, 7868..7887		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o4.tc	Method	TBLASTX:Cress
Start	5088	End	5390
GI	none	Score	224
Exons	5088..5390		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o4.tm	Method	TBLASTX:Maize
Start	5134	End	5390
GI	none	Score	108
Exons	5134..5382, 5136..5390, 5148..5390		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o1.tw	Method	TBLASTX:Wheat
Start	5415	End	6338
GI	none	Score	80
Exons	5415..5777, 5551..5778, 5694..5810, 5694..5810, 5811..6089, 5833..6090, 6039..6182, 6099..6338		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o2.tm	Method	TBLASTX:Maize
Start	5430	End	6197
GI	none	Score	164
Exons	5430..5792, 5434..5793, 5856..6104, 6039..6191, 6039..6197		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o1.tc	Method	TBLASTX:Cress
Start	5517	End	6350
GI	none	Score	91
Exons	5517..5753, 5529..5621, 5623..5796, 5634..5804, 5634..5810, 5686..5808, 5811..6332, 5928..6128, 6021..6350		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o4.ts	Method	TBLASTX:Soybean
Start	5613	End	6320
GI	none	Score	83
Exons	5613..5768, 5613..5771, 5614..5769, 5691..5801, 5814..6053, 5926..6054, 6039..6170, 6039..6176, 6096..6320		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o1.tm	Method	TBLASTX:Maize
Start	7096	End	10335
GI	none	Score	174
Exons	7096..7224, 7097..7225, 7502..7570, 7597..7653, 7604..7654, 7761..7847, 7761..7856, 7762..7893, 7768..7860, 7932..8015, 7934..8032, 7937..8017, 8473..8580, 8478..8585, 8478..8582, 8659..8820, 8660..8821, 8666..8821, 8670..8822, 8855..8983, 8893..8985, 8895..8984, 9539..9616, 9540..9614, 9690..9821, 9691..9822, 10251..10328, 10254..10328, 10258..10335		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o3.ts	Method	TBLASTX:Soybean
Start	7096	End	8734
GI	none	Score	180
Exons	7096..7224, 7097..7225, 7603..7650, 7604..7654, 7744..7851, 7746..7856, 7761..7847, 7762..7893, 7932..8012, 7934..8032, 7937..8008, 8455..8550, 8478..8585, 8659..8730, 8660..8734, 8669..8731		

Seq. No.	3443	Seq. ID	OJ991022_01.0229.C2
Gene No.	7336	Strand	-
Start	5034	End	10335
Name	OJ991022_01.0229.C2.o2.tc	Method	TBLASTX:Cress
Start	7100	End	8802
GI	none	Score	171

Exons	7100..7225, 7102..7206, 7603..7650, 7604..7654, 7762..7893, 7770..7856, 7934..8032, 8478..8585, 8659..8802, 8660..8800		
Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7337	Strand	+
Start	868	End	5197
Name	OJ991022_01.0229.C3.o1.gp	Method	AAT/GAP
Start	868	End	1404
GI	uC-osroM202040e03b1	Score	792
Exons	868..1172, 1286..1404		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7337	Strand	+
Start	868	End	5197
Name	OJ991022_01.0229.C3.o1.np	Method	AAT/NAP
Start	997	End	5197
GI	1709619	Score	1127
Exons	997..1172, 1286..1613, 2134..2322, 2831..2956, 3176..3313, 3448..3564, 3991..4108, 4538..4650, 4978..5197		
GI Descrip.	PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) gi|2146814|pir||S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize gi|625148 (L39014) protein disulfide isomerase [Zea mays]		
Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7337	Strand	+
Start	868	End	5197
Name	OJ991022_01.0229.C3.o1.gs	Method	GENSCAN
Start	1015	End	5172
GI	none	Score	.91
Exons	1015..1172, 1286..1610, 2134..2322, 2831..2956, 3176..3313, 3448..3564, 3991..4108, 4538..4650, 4978..5172		
Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o1.tm	Method	TBLASTX:Maize
Start	1081	End	5172
GI	none	Score	130
Exons	1081..1185, 1113..1187, 1147..1185, 1286..1462, 1287..1535, 1287..1364, 1413..1463, 1484..1534, 2133..2294, 2134..2322, 2797..2961, 2813..2956, 3173..3313, 3442..3507, 3505..3561, 3991..4107, 4027..4107, 4513..4650, 4536..4652, 4537..4653, 4542..4589, 4951..5148, 4977..5147, 5074..5148, 5134..5172, 5136..5171		
Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o1.ts	Method	TBLASTX:Soybean
Start	1081	End	5136
GI	none	Score	126
Exons	1081..1185, 1113..1187, 1147..1185, 1286..1534, 1287..1535, 1287..1313, 1422..1442, 2133..2294, 2134..2322, 2825..2956, 3167..3313, 3442..3507, 3988..4107, 4537..4641, 4537..4650,		

4537..4644, 4978..5007, 5008..5136

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o1.tc	Method	TBLASTX:Cress
Start	1087	End	5169
GI	none	Score	127
Exons	1087..1185, 1111..1173, 1113..1187, 1147..1185, 1279..1317, 1286..1534, 1287..1535, 1302..1391, 2133..2294, 2134..2322, 2828..2956, 2830..2979, 3167..3313, 3442..3507, 3988..4107, 4537..4641, 4537..4581, 4542..4589, 4945..5007, 5008..5169		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o1.tw	Method	TBLASTX:Wheat
Start	1305	End	2235
GI	none	Score	222
Exons	1305..1535, 1346..1534, 2133..2234, 2134..2235		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o2.gs	Method	GENSCAN
Start	6736	End	12938
GI	none	Score	.43
Exons	6736..7479, 8851..8887, 9339..9508, 9862..9905, 10021..10090, 10138..10209, 11152..11313, 12545..12684, 12926..12938		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o2.np	Method	AAT/NAP
Start	6748	End	23894
GI	4680199	Score	375
Exons	6748..7084, 7210..7474, 9566..9626, 12702..12757, 17837..17949, 18048..18607, 19335..19404, 20984..21064, 23800..23894		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o2.ts	Method	TBLASTX:Soybean
Start	12121	End	12395
GI	none	Score	157
Exons	12121..12342, 12123..12341, 12145..12363, 12340..12390, 12348..12395		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o2.tw	Method	TBLASTX:Wheat
Start	12126	End	12362
GI	none	Score	108
Exons	12126..12362, 12130..12336		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o4.gs	Method	GENSCAN
Start	17082	End	23370
GI	none	Score	.45
Exons	17082..17256, 17501..17576, 17605..17784, 17913..17949, 18250..18539, 19413..19553, 19824..19984, 21819..21977, 22621..22672, 22777..22820, 23099..23214, 23254..23370		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o3.tm	Method	TBLASTX:Maize
Start	17870	End	18285
GI	none	Score	106
Exons	17870..17965, 18079..18285, 18089..18271		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o2.gp	Method	AAT/GAP
Start	19027	End	19375
GI	4714323	Score	626
Exons	19027..19375		

Seq. No.	3444	Seq. ID	OJ991022_01.0229.C3
Gene No.	7338	Strand	-
Start	6736	End	23894
Name	OJ991022_01.0229.C3.o2.tm	Method	TBLASTX:Maize
Start	21249	End	21716
GI	none	Score	76
Exons	21249..21380, 21263..21400, 21263..21403, 21328..21654, 21399..21452, 21447..21716, 21448..21654, 21456..21674		

Seq. No.	3445	Seq. ID	OJ991022_01.0229.C4
Gene No.	7339	Strand	+
Start	1	End	2765
Name	OJ991022_01.0229.C4.o1.np	Method	AAT/NAP
Start	1	End	2765
GI	6063554	Score	175
Exons	1..35, 895..1063, 1203..1421, 1894..1920, 2589..2765		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3445	Seq. ID	OJ991022_01.0229.C4
Gene No.	7339	Strand	+
Start	1	End	2765
Name	OJ991022_01.0229.C4.o1.gs	Method	GENSCAN
Start	9	End	2040
GI	none	Score	.86
Exons	9..193, 1180..1432, 1506..1578, 1943..2040		

Seq. No.	3445	Seq. ID	OJ991022_01.0229.C4
Gene No.	7339	Strand	+
Start	1	End	2765

Name	OJ991022_01.0229.C4.o1.gp	Method	AAT/GAP
Start	2145	End	2525
GI	2427387	Score	486
Exons	2145..2525		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	3445	Seq. ID	OJ991022_01.0229.C4
Gene No.	7340	Strand	+
Start	5009	End	5170
Name	OJ991022_01.0229.C4.o2.gp	Method	AAT/GAP
Start	5009	End	5170
GI	426028	Score	227
Exons	5009..5170		

Seq. No.	3445	Seq. ID	OJ991022_01.0229.C4
Gene No.	7341	Strand	-
Start	4770	End	5078
Name	OJ991022_01.0229.C4.o2.gs	Method	GENSCAN
Start	4770	End	5078
GI	none	Score	.51
Exons	4770..5078		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.gs	Method	GENSCAN
Start	156	End	5206
GI	none	Score	.7
Exons	156..468, 752..970, 1553..1610, 2353..2454, 2532..2605, 4786..4867, 4894..4910, 5100..5206		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.tw	Method	TBLASTX:Wheat
Start	749	End	944
GI	none	Score	153
Exons	749..934, 750..944, 763..942		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.gp	Method	AAT/GAP
Start	752	End	919
GI	426028	Score	303
Exons	752..919		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.tm	Method	TBLASTX:Maize
Start	754	End	1299
GI	none	Score	316
Exons	754..1095, 755..1108, 762..1112, 762..1112, 763..1134, 1202..1237, 1203..1238, 1204..1257, 1237..1299, 1238..1294, 1240..1299		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.np	Method	AAT/NAP
Start	772	End	5338
GI	6572067	Score	647
Exons	772..1125, 1204..1298, 1553..1610, 4501..4557, 4656..4698, 4830..4991, 5092..5210, 5321..5338		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.tc	Method	TBLASTX:Cress
Start	793	End	1080
GI	none	Score	272
Exons	793..1080, 819..1079		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o1.ts	Method	TBLASTX:Soybean
Start	796	End	1290
GI	none	Score	318
Exons	796..1134, 799..1101, 816..1109, 1204..1290, 1212..1289		

Seq. No.	3446	Seq. ID	OJ991022_01.0229.C5
Gene No.	7342	Strand	+
Start	156	End	5338
Name	OJ991022_01.0229.C5.o2.tm	Method	TBLASTX:Maize
Start	1503	End	5209
GI	none	Score	88
Exons	1503..1610, 1550..1609, 4496..4555, 4497..4559, 4498..4557, 4653..4691, 4655..4690, 4828..4911, 4831..4911, 4832..4912, 4833..4931, 5096..5206, 5098..5208, 5099..5209		

Seq. No.	3447	Seq. ID	OJ991022_01.0229.C6
Gene No.	7343	Strand	+
Start	458	End	739
Name	OJ991022_01.0229.C6.o1.gs	Method	GENSCAN
Start	458	End	581
GI	none	Score	.4
Exons	458..581		

Seq. No.	3447	Seq. ID	OJ991022_01.0229.C6
Gene No.	7343	Strand	+
Start	458	End	739
Name	OJ991022_01.0229.C6.o1.tm	Method	TBLASTX:Maize
Start	470	End	739
GI	none	Score	151
Exons	470..580, 475..570, 683..739, 687..731		

Seq. No.	3448	Seq. ID	OJ991022_01.0229.C7
Gene No.	7344	Strand	+
Start	1	End	1097
Name	OJ991022_01.0229.C7.o1.np	Method	AAT/NAP

Start	1	End	790
GI	6572067	Score	200
Exons	1..93, 375..467, 698..790		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	3448	Seq. ID	OJ991022_01.0229.C7
Gene No.	7344	Strand	+
Start	1	End	1097
Name	OJ991022_01.0229.C7.o1.gs	Method	GENSCAN
Start	57	End	1097
GI	none	Score	.74
Exons	57..93, 375..467, 698..764, 1024..1097		

Seq. No.	3448	Seq. ID	OJ991022_01.0229.C7
Gene No.	7345	Strand	+
Start	1757	End	2288
Name	OJ991022_01.0229.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	1950
GI	none	Score	98
Exons	1..93, 3..95, 372..485, 374..466, 375..467, 696..761, 697..777, 697..777, 698..778, 1744..1950, 1755..1886, 1756..1887, 1760..1936		

Seq. No.	3448	Seq. ID	OJ991022_01.0229.C7
Gene No.	7345	Strand	+
Start	1757	End	2288
Name	OJ991022_01.0229.C7.o1.tw	Method	TBLASTX:Wheat
Start	373	End	1884
GI	none	Score	128
Exons	373..465, 374..466, 375..467, 696..761, 697..762, 697..762, 698..769, 1756..1884, 1764..1865		

Seq. No.	3448	Seq. ID	OJ991022_01.0229.C7
Gene No.	7345	Strand	+
Start	1757	End	2288
Name	OJ991022_01.0229.C7.o1.gp	Method	AAT/GAP
Start	1757	End	2288
GI	5607295	Score	990
Exons	1757..2288		

Seq. No.	3449	Seq. ID	OJ991022_01.0229.C8
Gene No.	7346	Strand	-
Start	282	End	1533
Name	OJ991022_01.0229.C8.o1.gp	Method	AAT/GAP
Start	282	End	1426
GI	27132_1.R1084	Score	1178
Exons	282..669, 946..998, 1120..1205, 1305..1426		
GI Descrip.	'5478530/gb|AAD43920.1|AF130441_1 5.0e-87 (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]'		

Seq. No.	3449	Seq. ID	OJ991022_01.0229.C8
Gene No.	7346	Strand	-
Start	282	End	1533
Name	OJ991022_01.0229.C8.o1.gs	Method	GENSCAN
Start	592	End	1192
GI	none	Score	.96
Exons	592..669, 946..974, 1120..1192		

Seq. No.	3449	Seq. ID	OJ991022_01.0229.C8
Gene No.	7346	Strand	-
Start	282	End	1533
Name	OJ991022_01.0229.C8.o1.np	Method	AAT/NAP
Start	595	End	1533
GI	5478530	Score	258
Exons	595..669, 943..992, 1114..1205, 1305..1533		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		

Seq. No.	3449	Seq. ID	OJ991022_01.0229.C8
Gene No.	7346	Strand	-
Start	282	End	1533
Name	OJ991022_01.0229.C8.o1.tm	Method	TBLASTX:Maize
Start	595	End	1426
GI	none	Score	69
Exons	595..669, 596..670, 943..1005, 944..1000, 948..1004, 1115..1207, 1128..1208, 1302..1412, 1303..1425, 1304..1426, 1304..1420, 1307..1426, 1307..1393, 1308..1403, 1319..1420		

Seq. No.	3449	Seq. ID	OJ991022_01.0229.C8
Gene No.	7346	Strand	-
Start	282	End	1533
Name	OJ991022_01.0229.C8.o1.ts	Method	TBLASTX:Soybean
Start	931	End	1426
GI	none	Score	73
Exons	931..1002, 1115..1207, 1119..1205, 1265..1420, 1302..1424, 1304..1426, 1307..1423, 1308..1415, 1309..1425		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o1.gp	Method	AAT/GAP
Start	542	End	2184
GI	27132_1.R1084	Score	831
Exons	542..613, 770..943, 1194..1349, 2127..2184		
GI Descrip.	'5478530/gb|AAD43920.1|AF130441_1 5.0e-87 (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]'		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o1.np	Method	AAT/NAP
Start	542	End	3566
GI	5478530	Score	1056
Exons	542..613, 770..943, 1194..1349, 2127..2208, 2960..3106, 3190..3388, 3464..3566		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o1.gs	Method	GENSCAN
Start	764	End	3587
GI	none	Score	.61
Exons	764..943, 1194..1416, 2086..2208, 2960..3106, 3190..3388, 3464..3587		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o1.tc	Method	TBLASTX:Cress
Start	767	End	3524
GI	none	Score	61
Exons	767..940, 803..889, 881..943, 1194..1343, 1203..1286, 2971..3108, 3055..3105, 3189..3257, 3294..3392, 3309..3386, 3462..3524, 3469..3516		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o1.ts	Method	TBLASTX:Soybean
Start	767	End	3524
GI	none	Score	72
Exons	767..955, 767..889, 767..937, 884..940, 1194..1343, 1200..1379, 1206..1286, 1275..1382, 2127..2207, 2127..2210, 2956..3105, 2966..3064, 2986..3108, 3189..3257, 3294..3392, 3294..3371, 3309..3383, 3462..3524, 3469..3510		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o1.tm	Method	TBLASTX:Maize
Start	767	End	3536
GI	none	Score	76
Exons	767..940, 821..877, 1203..1340, 1227..1334, 2986..3108, 3064..3105, 3067..3153, 3189..3257, 3193..3258, 3297..3386, 3321..3377, 3462..3536		

Seq. No.	3450	Seq. ID	OJ991022_01.0229.C9
Gene No.	7347	Strand	-
Start	542	End	3605
Name	OJ991022_01.0229.C9.o2.gp	Method	AAT/GAP
Start	2960	End	3605
GI	44539_1.R1084	Score	952
Exons	2960..3106, 3190..3388, 3464..3605		
GI Descrip.	'5478530/gb|AAD43920.1|AF130441_1 2.0e-56 (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]'		

Seq. No.	3451	Seq. ID	OJ991022_01.0229.C11
Gene No.	7348	Strand	-
Start	165	End	704
Name	OJ991022_01.0229.C11.o1.gs	Method	GENSCAN
Start	165	End	704
GI	none	Score	.63
Exons	165..550, 552..704		

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7349	Strand	+
Start	1	End	1681
Name	OJ991022_01.0229.C12.o1.np	Method	AAT/NAP
Start	1	End	1681
GI	4234846	Score	826
Exons	1..1198, 1639..1681		

GI Descrip. (AF082130) gag-pol polyprotein [Zea mays]

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7349	Strand	+
Start	1	End	1681
Name	OJ991022_01.0229.C12.o1.gs	Method	GENSCAN
Start	70	End	480
GI	none	Score	.94
Exons	70..480		

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7350	Strand	-
Start	1587	End	7701
Name	OJ991022_01.0229.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	781
GI	none	Score	360
Exons	1..303, 3..302, 143..313, 230..313, 301..363, 375..404, 376..438, 424..519, 429..512, 619..711, 625..705, 630..737, 715..774, 715..774, 716..781		

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7350	Strand	-
Start	1587	End	7701
Name	OJ991022_01.0229.C12.o2.gs	Method	GENSCAN
Start	1587	End	7701
GI	none	Score	.75
Exons	1587..1793, 2907..2986, 5509..5605, 6682..6811, 7084..7198, 7470..7701		

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7350	Strand	-
Start	1587	End	7701
Name	OJ991022_01.0229.C12.o1.gp	Method	AAT/GAP
Start	2740	End	2976
GI	16974_1.R1084	Score	150
Exons	2740..2789, 2907..2976		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7350	Strand	-
Start	1587	End	7701
Name	OJ991022_01.0229.C12.o1.tw	Method	TBLASTX:Wheat
Start	2745	End	5572
GI	none	Score	65
Exons	2745..2801, 2746..2790, 2897..2977, 2907..2978, 2907..2999, 2908..3000, 2908..3000, 3517..3636, 3575..3673, 3575..3670, 4609..4668, 4610..4669, 4613..4669, 4730..4816, 4740..4805, 5511..5567, 5516..5572, 5517..5567, 5518..5568		

Seq. No.	3452	Seq. ID	OJ991022_01.0229.C12
Gene No.	7350	Strand	-
Start	1587	End	7701
Name	OJ991022_01.0229.C12.o2.gp	Method	AAT/GAP
Start	4741	End	7265
GI	none	Score	870
Exons	4741..4796, 5517..5605, 6682..6811, 7084..7265		

Seq. No.	3453	Seq. ID	OJ991022_01.0229.C13
Gene No.	7351	Strand	+
Start	1482	End	2055
Name	OJ991022_01.0229.C13.o1.gs	Method	GENSCAN
Start	1482	End	2055
GI	none	Score	.75
Exons	1482..1797, 1901..2055		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o1.gs	Method	GENSCAN
Start	265	End	8734
GI	none	Score	.49
Exons	265..383, 1513..1622, 2490..2622, 6232..6435, 6999..7891, 7899..8734		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o1.np	Method	AAT/NAP
Start	6323	End	10342
GI	3540195	Score	1267
Exons	6323..6466, 7033..8618, 10318..10342		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o2.tm	Method	TBLASTX:Maize
Start	7135	End	7653
GI	none	Score	183
Exons	7135..7359, 7161..7295, 7360..7506, 7498..7557, 7552..7653		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o1.tm	Method	TBLASTX:Maize
Start	7725	End	8536
GI	none	Score	80
Exons	7725..7793, 7726..7794, 7812..7895, 7824..8045, 7874..8074, 8050..8271, 8051..8287, 8347..8496, 8348..8536		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o1.tc	Method	TBLASTX:Cress
Start	7756	End	8404
GI	none	Score	49
Exons	7756..7794, 7839..8039, 7925..7990, 8051..8287, 8053..8277, 8359..8403, 8363..8404		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o1.ts	Method	TBLASTX:Soybean
Start	7877	End	8287

GI	none	Score	222
Exons	7877..7990, 7878..8039, 8051..8287, 8059..8277		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o1.tw	Method	TBLASTX:Wheat
Start	8198	End	8581
GI	none	Score	153
Exons	8198..8287, 8200..8277, 8347..8487, 8348..8581		

Seq. No.	3454	Seq. ID	OJ991022_01.0229.C14
Gene No.	7352	Strand	+
Start	265	End	10342
Name	OJ991022_01.0229.C14.o2.ts	Method	TBLASTX:Soybean
Start	8363	End	8614
GI	none	Score	248
Exons	8363..8548, 8365..8496, 8558..8614		

Seq. No.	3455	Seq. ID	OJ991022_01.0229.C15
Gene No.	7353	Strand	+
Start	216	End	405
Name	OJ991022_01.0229.C15.o1.gs	Method	GENSCAN
Start	216	End	405
GI	none	Score	.97
Exons	216..405		

Seq. No.	3455	Seq. ID	OJ991022_01.0229.C15
Gene No.	7354	Strand	-
Start	1200	End	3520
Name	OJ991022_01.0229.C15.o2.gs	Method	GENSCAN
Start	1200	End	3520
GI	none	Score	.56
Exons	1200..1325, 2276..2437, 3411..3520		

Seq. No.	3456	Seq. ID	OJ991022_01.0229.C16
Gene No.	7355	Strand	-
Start	42	End	274
Name	OJ991022_01.0229.C16.o1.gs	Method	GENSCAN
Start	42	End	274
GI	none	Score	.75
Exons	42..274		

Seq. No.	3457	Seq. ID	OJ991022_01.0229.C17
Gene No.	7356	Strand	+
Start	416	End	2116
Name	OJ991022_01.0229.C17.o1.np	Method	AAT/NAP
Start	416	End	2116
GI	4204912	Score	403
Exons	416..517, 658..720, 1127..1287, 1376..1481, 2047..2116		
GI Descrip.	(U58918) MEK kinase [Arabidopsis thaliana]		

Seq. No.	3457	Seq. ID	OJ991022_01.0229.C17
Gene No.	7356	Strand	+
Start	416	End	2116
Name	OJ991022_01.0229.C17.o1.tm	Method	TBLASTX:Maize
Start	421	End	1490

GI	none	Score	140
Exons	421..513, 426..518, 428..523, 655..720, 657..719, 1120..1287, 1121..1288, 1122..1307, 1343..1450, 1366..1473, 1368..1490, 1371..1454		

Seq. No.	3457	Seq. ID	OJ991022_01.0229.C17
Gene No.	7356	Strand	+
Start	416	End	2116
Name	OJ991022_01.0229.C17.o1.tc	Method	TBLASTX:Cress
Start	427	End	1400
GI	none	Score	99
Exons	427..522, 428..523, 655..720, 1120..1287, 1121..1288, 1127..1297, 1368..1400		

Seq. No.	3457	Seq. ID	OJ991022_01.0229.C17
Gene No.	7356	Strand	+
Start	416	End	2116
Name	OJ991022_01.0229.C17.o1.ts	Method	TBLASTX:Soybean
Start	428	End	1474
GI	none	Score	108
Exons	428..523, 430..510, 655..723, 1120..1287, 1121..1327, 1148..1327, 1149..1340, 1149..1328, 1367..1450, 1368..1451, 1368..1451, 1369..1452, 1373..1474		

Seq. No.	3457	Seq. ID	OJ991022_01.0229.C17
Gene No.	7356	Strand	+
Start	416	End	2116
Name	OJ991022_01.0229.C17.o1.gs	Method	GENSCAN
Start	658	End	1829
GI	none	Score	.69
Exons	658..720, 1082..1287, 1376..1451, 1749..1829		

Seq. No.	3457	Seq. ID	OJ991022_01.0229.C17
Gene No.	7356	Strand	+
Start	416	End	2116
Name	OJ991022_01.0229.C17.o1.gp	Method	AAT/GAP
Start	1373	End	1455
GI	LIB3474-005-P1-K1-G2	Score	139
Exons	1373..1455		
GI Descrip.	'3688193/emb|CAA08995.1| 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		

Seq. No.	3458	Seq. ID	OJ991022_01.0229.C18
Gene No.	7357	Strand	+
Start	385	End	657
Name	OJ991022_01.0229.C18.o1.tm	Method	TBLASTX:Maize
Start	251	End	657
GI	none	Score	69
Exons	251..301, 252..308, 367..528, 398..523, 399..524, 559..657		

Seq. No.	3458	Seq. ID	OJ991022_01.0229.C18
Gene No.	7357	Strand	+
Start	385	End	657
Name	OJ991022_01.0229.C18.o1.np	Method	AAT/NAP
Start	385	End	653
GI	3688193	Score	68
Exons	385..653		

GI Descrip. (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]

Seq. No.	3459	Seq. ID	OJ991022_01.0229.C19
Gene No.	7358	Strand	+
Start	24	End	1237
Name	OJ991022_01.0229.C19.o1.gs	Method	GENSCAN
Start	24	End	1237
GI	none	Score	.79
Exons	24..168, 1158..1237		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7359	Strand	+
Start	1322	End	3764
Name	OJ991022_01.0229.C20.o1.gs	Method	GENSCAN
Start	1322	End	3629
GI	none	Score	.9
Exons	1322..1437, 1545..1584, 1610..1723, 1987..2069, 2181..2334, 2477..2606, 2697..2806, 2918..3115, 3282..3362, 3468..3629		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7359	Strand	+
Start	1322	End	3764
Name	OJ991022_01.0229.C20.o1.np	Method	AAT/NAP
Start	1637	End	3764
GI	2829925	Score	966
Exons	1637..1723, 1814..1867, 1984..2069, 2181..2334, 2477..2606, 2697..2855, 2937..3115, 3468..3593, 3687..3764		
GI Descrip.	(AC002291) Similar to dnaj-like protein, gp|Y11969|2230757 [Arabidopsis thaliana]		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7360	Strand	+
Start	4326	End	4833
Name	OJ991022_01.0229.C20.o1.gp	Method	AAT/GAP
Start	4326	End	4833
GI	36648_1.R1084	Score	740
Exons	4326..4833		
GI Descrip.	'58067/emb|X52325|ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o3.tc	Method	TBLASTX:Cress
Start	1591	End	2067
GI	none	Score	111
Exons	1591..1728, 1643..1723, 1808..1879, 1822..1875, 1980..2066, 1981..2064, 1984..2067		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o1.ts	Method	TBLASTX:Soybean
Start	1642	End	3362
GI	none	Score	111
Exons	1642..1728, 1643..1723, 1808..1879, 1813..1875, 1953..2069, 1984..2067, 2175..2288, 2182..2259, 2480..2602, 2693..2857,		

2701..2859, 2935..3117, 2936..3118, 3281..3361, 3282..3362

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o2.tm	Method	TBLASTX:Maize
Start	1642	End	2232
GI	none	Score	136
Exons	1642..1722, 1643..1723, 1808..1879, 1813..1872, 1967..2056, 1984..2070, 2178..2231, 2179..2232		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o1.tw	Method	TBLASTX:Wheat
Start	1643	End	2058
GI	none	Score	103
Exons	1643..1723, 1645..1722, 1699..1731, 1808..1873, 1813..1875, 1813..1878, 1984..2058, 1992..2051		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o1.tc	Method	TBLASTX:Cress
Start	2178	End	3139
GI	none	Score	131
Exons	2178..2291, 2179..2334, 2188..2322, 2473..2562, 2474..2599, 2693..2857, 2695..2859, 2884..3123, 2936..3118, 3017..3139		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o1.tm	Method	TBLASTX:Maize
Start	2474	End	3039
GI	none	Score	190
Exons	2474..2605, 2479..2562, 2681..2857, 2698..2859, 2935..3039, 2940..3038		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o2.tw	Method	TBLASTX:Wheat
Start	2695	End	3118
GI	none	Score	72
Exons	2695..2823, 2695..2859, 2696..2857, 2959..3117, 2987..3118		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o2.gs	Method	GENSCAN
Start	4594	End	8754
GI	none	Score	.81
Exons	4594..4965, 5573..5674, 5880..6563, 6997..7064, 7173..7287, 7411..7513, 7878..7948, 8377..8500, 8687..8754		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-

Start	4594	End	8781
Name	OJ991022_01.0229.C20.o2.np	Method	AAT/NAP
Start	4597	End	7649
GI	2829923	Score	1073
Exons	4597..4702, 4736..4965, 5573..5674, 5880..6045, 6076..6203, 6234..6563, 6997..7064, 7173..7287, 7411..7456, 7579..7649		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o3.tm	Method	TBLASTX:Maize
Start	4793	End	5653
GI	none	Score	195
Exons	4793..4966, 4795..4968, 4795..4968, 5565..5651, 5565..5645, 5573..5653		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o2.tc	Method	TBLASTX:Cress
Start	4819	End	7631
GI	none	Score	151
Exons	4819..4959, 5895..6044, 6138..6164, 6252..6512, 6301..6513, 6994..7065, 6995..7069, 7174..7287, 7175..7288, 7408..7455, 7581..7631		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o3.ts	Method	TBLASTX:Soybean
Start	4819	End	6506
GI	none	Score	238
Exons	4819..4959, 6252..6506		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o2.ts	Method	TBLASTX:Soybean
Start	5895	End	7610
GI	none	Score	58
Exons	5895..6044, 7000..7065, 7001..7069, 7174..7287, 7175..7306, 7408..7458, 7578..7610		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781
Name	OJ991022_01.0229.C20.o4.tm	Method	TBLASTX:Maize
Start	6138	End	7315
GI	none	Score	38
Exons	6138..6188, 6139..6168, 6246..6503, 6282..6380, 6304..6507, 7174..7287, 7175..7315		

Seq. No.	3460	Seq. ID	OJ991022_01.0229.C20
Gene No.	7361	Strand	-
Start	4594	End	8781

Name	OJ991022_01.0229.C20.o2.gp	Method	AAT/GAP
Start	8258	End	8781
GI	none	Score	910
Exons	8258..8781		

Seq. No.	3461	Seq. ID	OJ991022_01.0229.C22
Gene No.	7362	Strand	-
Start	2939	End	3660
Name	OJ991022_01.0229.C22.o2.gs	Method	GENSCAN
Start	2939	End	3660
GI	none	Score	.58
Exons	2939..3122, 3518..3660		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7363	Strand	+
Start	1	End	2373
Name	OJ991022_01.0229.C25.o1.np	Method	AAT/NAP
Start	1	End	2373
GI	4481948	Score	301
Exons	1..298, 626..943, 1020..1173, 1921..2373		
GI Descrip.	(AL035637) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7363	Strand	+
Start	1	End	2373
Name	OJ991022_01.0229.C25.o1.gs	Method	GENSCAN
Start	71	End	973
GI	none	Score	.63
Exons	71..298, 626..973		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7364	Strand	-
Start	1897	End	2697
Name	OJ991022_01.0229.C25.o2.gs	Method	GENSCAN
Start	1897	End	2455
GI	none	Score	.98
Exons	1897..2455		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7364	Strand	-
Start	1897	End	2697
Name	OJ991022_01.0229.C25.o1.gp	Method	AAT/GAP
Start	2354	End	2697
GI	none	Score	618
Exons	2354..2697		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7365	Strand	-
Start	3694	End	3807
Name	OJ991022_01.0229.C25.o2.tm	Method	TBLASTX:Maize
Start	57	End	267
GI	none	Score	205
Exons	57..128, 58..264, 86..205, 89..265, 154..267		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7365	Strand	-
Start	3694	End	3807

Name	OJ991022_01.0229.C25.o1.ts	Method	TBLASTX:Soybean
Start	86	End	298
GI	none	Score	249
Exons	86..205, 89..298, 166..297		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7365	Strand	-
Start	3694	End	3807
Name	OJ991022_01.0229.C25.o1.tc	Method	TBLASTX:Cress
Start	89	End	751
GI	none	Score	248
Exons	89..334, 166..291, 620..751, 625..747		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7365	Strand	-
Start	3694	End	3807
Name	OJ991022_01.0229.C25.o1.tm	Method	TBLASTX:Maize
Start	1914	End	2273
GI	none	Score	128
Exons	1914..2069, 1915..2271, 1915..2148, 1926..2273		

Seq. No.	3462	Seq. ID	OJ991022_01.0229.C25
Gene No.	7365	Strand	-
Start	3694	End	3807
Name	OJ991022_01.0229.C25.o2.gp	Method	AAT/GAP
Start	3694	End	3807
GI	16974_1.R1084	Score	212
Exons	3694..3807		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	3463	Seq. ID	OJ991022_01.0229.C27
Gene No.	7366	Strand	-
Start	38	End	777
Name	OJ991022_01.0229.C27.o1.gs	Method	GENSCAN
Start	38	End	678
GI	none	Score	.6
Exons	38..678		

Seq. No.	3463	Seq. ID	OJ991022_01.0229.C27
Gene No.	7366	Strand	-
Start	38	End	777
Name	OJ991022_01.0229.C27.o1.gp	Method	AAT/GAP
Start	558	End	777
GI	2312156	Score	413
Exons	558..777		

Seq. No.	3464	Seq. ID	OJ991022_01.0229.C29
Gene No.	7367	Strand	-
Start	131	End	801
Name	OJ991022_01.0229.C29.o1.gp	Method	AAT/GAP
Start	103	End	534
GI	none	Score	848
Exons	103..534		

Seq. No.	3464	Seq. ID	OJ991022_01.0229.C29
Gene No.	7367	Strand	-
Start	131	End	801

Name	OJ991022_01.0229.C29.o1.gs	Method	GENSCAN
Start	131	End	798
GI	none	Score	.67
Exons	131..198, 213..798		

Seq. No.	3464	Seq. ID	OJ991022_01.0229.C29
Gene No.	7367	Strand	-
Start	131	End	801
Name	OJ991022_01.0229.C29.o1.tm	Method	TBLASTX:Maize
Start	365	End	801
GI	none	Score	35
Exons	365..403, 370..423, 405..521, 521..643, 658..792, 686..757,	406..513, 510..611, 520..630, 760..801, 760..801	

Seq. No.	3465	Seq. ID	OJ991022_01.0229.C30
Gene No.	7368	Strand	+
Start	570	End	1232
Name	OJ991022_01.0229.C30.o1.gs	Method	GENSCAN
Start	570	End	1232
GI	none	Score	.4
Exons	570..618, 1162..1232		

Seq. No.	3465	Seq. ID	OJ991022_01.0229.C30
Gene No.	7369	Strand	-
Start	154	End	244
Name	OJ991022_01.0229.C30.o1.np	Method	AAT/NAP
Start	154	End	244
GI	629831	Score	61
Exons	154..244		
GI Descrip.	NADH dehydrogenase 30K chain - wheat mitochondrion gi|416536|emb|CAA49376| (X69720) 30 kDa subunit of complex I NADH dehydrogenase [Triticum aestivum]		

Seq. No.	3465	Seq. ID	OJ991022_01.0229.C30
Gene No.	7370	Strand	-
Start	529	End	2328
Name	OJ991022_01.0229.C30.o2.np	Method	AAT/NAP
Start	529	End	2328
GI	3540208	Score	179
Exons	529..590, 1149..1228, 2000..2079, 2170..2328		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3466	Seq. ID	OJ990822_49.0207.C2
Gene No.	7371	Strand	-
Start	1	End	643
Name	OJ990822_49.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	643
GI	2498930	Score	756
Exons	1..416, 584..643		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3466	Seq. ID	OJ990822_49.0207.C2
Gene No.	7371	Strand	-
Start	1	End	643
Name	OJ990822_49.0207.C2.o1.gs	Method	GENSCAN
Start	22	End	643

GI	none	Score	1
Exons	22..416, 584..643		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7372	Strand	+
Start	1	End	4854
Name	OJ990822_49.0207.C3.o1.np	Method	AAT/NAP
Start	1	End	607
GI	4519936	Score	635
Exons	1..607		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7372	Strand	+
Start	1	End	4854
Name	OJ990822_49.0207.C3.o2.np	Method	AAT/NAP
Start	1	End	3942
GI	6721547	Score	263
Exons	1..30, 1213..1830, 3676..3942		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7372	Strand	+
Start	1	End	4854
Name	OJ990822_49.0207.C3.o1.gs	Method	GENSCAN
Start	308	End	4854
GI	none	Score	.5
Exons	308..554, 809..989, 1187..1847, 3703..4854		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7373	Strand	-
Start	5448	End	5806
Name	OJ990822_49.0207.C3.o2.tm	Method	TBLASTX:Maize
Start	1	End	195
GI	none	Score	193
Exons	1..195, 2..190		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7373	Strand	-
Start	5448	End	5806
Name	OJ990822_49.0207.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	250
GI	none	Score	206
Exons	2..250, 43..189, 44..244, 208..249		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7373	Strand	-
Start	5448	End	5806
Name	OJ990822_49.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	197	End	666
GI	none	Score	432
Exons	197..625, 202..636, 326..637, 423..638, 424..666		

Seq. No.	3467	Seq. ID	OJ990822_49.0207.C3
Gene No.	7373	Strand	-
Start	5448	End	5806
Name	OJ990822_49.0207.C3.o2.gs	Method	GENSCAN

Start	5448	End	5806
GI	none	Score	.43
Exons	5448..5806		

Seq. No.	3468	Seq. ID	OJ990822_49.0207.C4
Gene No.	7374	Strand	-
Start	711	End	905
Name	OJ990822_49.0207.C4.o1.gs	Method	GENSCAN
Start	711	End	905
GI	none	Score	.94
Exons	711..829, 851..905		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7375	Strand	+
Start	1161	End	6661
Name	OJ990822_49.0207.C6.o1.gs	Method	GENSCAN
Start	1161	End	1925
GI	none	Score	.83
Exons	1161..1925		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7375	Strand	+
Start	1161	End	6661
Name	OJ990822_49.0207.C6.o1.np	Method	AAT/NAP
Start	1161	End	6658
GI	4680179	Score	5685
Exons	1161..1182, 2280..3229, 3257..6658		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7375	Strand	+
Start	1161	End	6661
Name	OJ990822_49.0207.C6.o2.gs	Method	GENSCAN
Start	2210	End	6661
GI	none	Score	1
Exons	2210..6661		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7376	Strand	+
Start	7975	End	8317
Name	OJ990822_49.0207.C6.o1.gp	Method	AAT/GAP
Start	7975	End	8317
GI	uC-osroM202024h08a1	Score	79
Exons	7975..8045, 8295..8317		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7377	Strand	-
Start	7430	End	8892
Name	OJ990822_49.0207.C6.o2.np	Method	AAT/NAP
Start	7430	End	8892
GI	5852180	Score	386
Exons	7430..7805, 8805..8892		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6

Gene No.	7377	Strand	-
Start	7430	End	8892
Name	OJ990822_49.0207.C6.o2.gp	Method	AAT/GAP
Start	8182	End	8704
GI	uC-osflM202048c12b1	Score	841
Exons	8182..8704		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o12.tw	Method	TBLASTX:Wheat
Start	2402	End	2584
GI	none	Score	196
Exons	2402..2584, 2404..2583		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o7.tw	Method	TBLASTX:Wheat
Start	2635	End	2980
GI	none	Score	324
Exons	2635..2766, 2636..2980, 2739..2831		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o9.tm	Method	TBLASTX:Maize
Start	2636	End	2935
GI	none	Score	239
Exons	2636..2935		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o11.tm	Method	TBLASTX:Maize
Start	3281	End	3601
GI	none	Score	194
Exons	3281..3601		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o9.tw	Method	TBLASTX:Wheat
Start	3335	End	3688
GI	none	Score	227
Exons	3335..3688, 3514..3675		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o4.tw	Method	TBLASTX:Wheat
Start	3817	End	4303
GI	none	Score	534
Exons	3817..4110, 3821..4303, 3932..4261		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o7.ts	Method	TBLASTX:Soybean
Start	3857	End	4171
GI	none	Score	196
Exons	3857..4171		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o7.tm	Method	TBLASTX:Maize
Start	3886	End	4333
GI	none	Score	373
Exons	3886..4068, 3890..4333, 3962..4324		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	4244	End	4639
GI	none	Score	57
Exons	4244..4276, 4244..4276, 4280..4333, 4280..4360, 4281..4424, 4282..4425, 4385..4582, 4388..4639, 4399..4629		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o6.tw	Method	TBLASTX:Wheat
Start	4379	End	4653
GI	none	Score	354
Exons	4379..4621, 4391..4651, 4393..4653, 4399..4653		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o8.tm	Method	TBLASTX:Maize
Start	4388	End	4725
GI	none	Score	316
Exons	4388..4720, 4441..4725		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o3.tw	Method	TBLASTX:Wheat
Start	4654	End	5080
GI	none	Score	598
Exons	4654..5073, 4655..5080, 4703..5080		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o5.ts	Method	TBLASTX:Soybean
Start	4664	End	4909
GI	none	Score	209
Exons	4664..4909		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o3.tm	Method	TBLASTX:Maize
Start	4727	End	5080
GI	none	Score	471
Exons	4727..5080, 4732..4995, 4733..5065, 4740..5066, 5041..5073		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o2.tw	Method	TBLASTX:Wheat
Start	5111	End	5647
GI	none	Score	601
Exons	5111..5647, 5113..5340, 5201..5641, 5365..5646		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o2.tc	Method	TBLASTX:Cress
Start	5345	End	5671
GI	none	Score	82
Exons	5345..5527, 5528..5671, 5530..5652		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o4.ts	Method	TBLASTX:Soybean
Start	5435	End	5695
GI	none	Score	300
Exons	5435..5695, 5437..5694		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o5.tm	Method	TBLASTX:Maize
Start	5494	End	5785
GI	none	Score	404
Exons	5494..5781, 5495..5785		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	5654	End	6280
GI	none	Score	741
Exons	5654..6280, 5656..6168, 6029..6274, 6211..6279		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	5834	End	6418
GI	none	Score	229
Exons	5834..5995, 5840..5986, 5842..5997, 5842..5988, 5992..6294, 5993..6418		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o5.tw	Method	TBLASTX:Wheat
Start	6280	End	6613
GI	none	Score	374
Exons	6280..6354, 6281..6613, 6284..6385, 6373..6420		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o10.tm	Method	TBLASTX:Maize
Start	6422	End	6668
GI	none	Score	177
Exons	6422..6634, 6518..6634, 6627..6668, 6636..6668		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o6.tm	Method	TBLASTX:Maize
Start	10733	End	11104
GI	none	Score	147
Exons	10733..10930, 10737..10931, 10745..11104, 10753..11103		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o3.np	Method	AAT/NAP
Start	10747	End	13482
GI	4519938	Score	2482
Exons	10747..13482		
GI Descrip.	(AB019240) RPR1h [Oryza sativa]		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o2.ts	Method	TBLASTX:Soybean
Start	10810	End	11760
GI	none	Score	240
Exons	10810..11079, 11098..11178, 11263..11760		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	10813	End	12924
GI	none	Score	42
Exons	10813..11028, 11938..11997, 11974..12030, 12118..12258, 12119..12274, 12322..12411, 12335..12430, 12505..12639, 12715..12828, 12829..12924		

Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o8.tw	Method	TBLASTX:Wheat
Start	11104	End	11456
GI	none	Score	159

Exons	11104..11451, 11105..11311, 11112..11450, 11113..11454, 11145..11456		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	11105	End	11553
GI	none	Score	343
Exons	11105..11551, 11105..11221, 11107..11553		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o11.tw	Method	TBLASTX:Wheat
Start	11497	End	11787
GI	none	Score	207
Exons	11497..11787		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o4.tm	Method	TBLASTX:Maize
Start	11873	End	12213
GI	none	Score	301
Exons	11873..12211, 11874..12200, 11875..12210, 11881..12213		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o3.gp	Method	AAT/GAP
Start	11889	End	12326
GI	LIB3432-034-P2-K1-D10	Score	792
Exons	11889..12326		
GI Descrip.	'4519938/dbj|BAA75813.1| 2.0e-44 (AB019240) RPR1h [Oryza sativa]'		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o3.ts	Method	TBLASTX:Soybean
Start	11968	End	12564
GI	none	Score	49
Exons	11968..12087, 11975..12094, 12068..12310, 12115..12252, 12232..12498, 12526..12564		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482
Name	OJ990822_49.0207.C6.o10.tw	Method	TBLASTX:Wheat
Start	12127	End	12429
GI	none	Score	58
Exons	12127..12258, 12167..12217, 12233..12418, 12259..12429		
Seq. No.	3469	Seq. ID	OJ990822_49.0207.C6
Gene No.	7378	Strand	-
Start	10747	End	13482

Name	OJ990822_49.0207.C6.o6.ts	Method	TBLASTX:Soybean
Start	12574	End	13011
GI	none	Score	87
Exons	12574..12678, 12751..12837, 12829..13011, 12836..13006		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7379	Strand	+
Start	5773	End	9613
Name	OJ990822_49.0207.C8.o3.np	Method	AAT/NAP
Start	5773	End	9613
GI	3810596	Score	353
Exons	5773..5810, 8760..9613		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7380	Strand	-
Start	1125	End	4847
Name	OJ990822_49.0207.C8.o1.np	Method	AAT/NAP
Start	1122	End	4847
GI	4519938	Score	2285
Exons	1122..3503, 4811..4847		
GI Descrip.	(AB019240) RPR1h [Oryza sativa]		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7380	Strand	-
Start	1125	End	4847
Name	OJ990822_49.0207.C8.o2.gs	Method	GENSCAN
Start	1125	End	4331
GI	none	Score	.89
Exons	1125..1535, 1638..3577, 4187..4331		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o3.tm	Method	TBLASTX:Maize
Start	998	End	8749
GI	none	Score	184
Exons	998..1030, 1072..1449, 1103..1480, 1118..1480, 1119..1481, 1119..1481, 1120..1482, 8347..8748, 8364..8747, 8435..8749		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o1.tw	Method	TBLASTX:Wheat
Start	1479	End	1828
GI	none	Score	201
Exons	1479..1826, 1487..1828, 1495..1740, 1496..1741		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	1482	End	1928
GI	none	Score	78
Exons	1482..1928, 1485..1601, 1495..1926		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o3.tw	Method	TBLASTX:Wheat
Start	1872	End	2207
GI	none	Score	229
Exons	1872..2207		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o1.tc	Method	TBLASTX:Cress
Start	1899	End	8625
GI	none	Score	70
Exons	1899..2060, 1953..2201, 2470..2577, 2475..2585, 2688..2933, 2985..3044, 8497..8625		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o1.ts	Method	TBLASTX:Soybean
Start	1902	End	8625
GI	none	Score	72
Exons	1902..2081, 1911..2015, 2049..2465, 2446..2622, 2490..2630, 2610..2798, 2701..2799, 2814..2870, 2898..2936, 8485..8625		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o2.tm	Method	TBLASTX:Maize
Start	2250	End	2592
GI	none	Score	309
Exons	2250..2591, 2251..2592		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o2.tw	Method	TBLASTX:Wheat
Start	2503	End	2799
GI	none	Score	71
Exons	2503..2595, 2505..2636, 2610..2798, 2659..2799		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o2.ts	Method	TBLASTX:Soybean
Start	2946	End	3347
GI	none	Score	85
Exons	2946..3077, 3108..3194, 3187..3342, 3192..3347		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7381	Strand	-
Start	8365	End	8783
Name	OJ990822_49.0207.C8.o2.np	Method	AAT/NAP
Start	8365	End	8783
GI	4519936	Score	408
Exons	8365..8783		

GI Descrip. (AB019186) RPR1 [Oryza sativa]

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7382	Strand	
Start	8939	End	9464
Name	OJ990822_49.0207.C8.o4.tm	Method	TBLASTX:Maize
Start	8939	End	9371
GI	none	Score	78
Exons	8939..9025, 9123..9371		

Seq. No.	3470	Seq. ID	OJ990822_49.0207.C8
Gene No.	7382	Strand	
Start	8939	End	9464
Name	OJ990822_49.0207.C8.o4.tw	Method	TBLASTX:Wheat
Start	9081	End	9464
GI	none	Score	203
Exons	9081..9464, 9248..9349		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o1.np	Method	AAT/NAP
Start	1115	End	6783
GI	6069646	Score	872
Exons	1115..1135, 4721..5521, 5810..6783		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o7.tm	Method	TBLASTX:Maize
Start	1514	End	1735
GI	none	Score	181
Exons	1514..1735		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o5.tm	Method	TBLASTX:Maize
Start	3657	End	3917
GI	none	Score	136
Exons	3657..3794, 3668..3790, 3798..3917		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o4.tm	Method	TBLASTX:Maize
Start	4115	End	4433
GI	none	Score	234
Exons	4115..4432, 4131..4433		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+

Start	1115	End	6783
Name	OJ990822_49.0207.C9.o2.tm	Method	TBLASTX:Maize
Start	4723	End	5055
GI	none	Score	312
Exons	4723..5055, 4725..5021		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	5056	End	5741
GI	none	Score	142
Exons	5056..5181, 5085..5177, 5169..5741, 5544..5735		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	5385	End	5828
GI	none	Score	205
Exons	5385..5678, 5778..5828		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o3.tm	Method	TBLASTX:Maize
Start	5802	End	6086
GI	none	Score	199
Exons	5802..5984, 5804..5983, 5997..6086		

Seq. No.	3471	Seq. ID	OJ990822_49.0207.C9
Gene No.	7383	Strand	+
Start	1115	End	6783
Name	OJ990822_49.0207.C9.o6.tm	Method	TBLASTX:Maize
Start	6231	End	6542
GI	none	Score	187
Exons	6231..6542		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7384	Strand	-
Start	1	End	2317
Name	OJ990822_49.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	2317
GI	4519938	Score	2698
Exons	1..1552, 1580..2317		
GI Descrip.	(AB019240) RPR1h [Oryza sativa]		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	384
GI	none	Score	241
Exons	1..375, 1..384, 2..382		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-

Start	5484	End	5660
Name	OJ990822_49.0207.C10.o3.tw	Method	TBLASTX:Wheat
Start	1	End	282
GI	none	Score	200
Exons	1..273, 1..282, 3..278		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	328	End	666
GI	none	Score	66
Exons	328..666, 434..535		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	358	End	1396
GI	none	Score	65
Exons	358..540, 800..925, 947..1084, 954..1076, 1100..1330, 1146..1220, 1358..1396		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o1.tc	Method	TBLASTX:Cress
Start	427	End	1747
GI	none	Score	121
Exons	427..549, 773..928, 953..1075, 1157..1246, 1340..1552, 1586..1747		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o2.tm	Method	TBLASTX:Maize
Start	706	End	1045
GI	none	Score	40
Exons	706..789, 710..763, 794..1045, 794..1045		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o2.tw	Method	TBLASTX:Wheat
Start	959	End	1252
GI	none	Score	71
Exons	959..1090, 996..1091, 1064..1252, 1163..1243		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10
Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o2.ts	Method	TBLASTX:Soybean
Start	1421	End	2197
GI	none	Score	123
Exons	1421..1561, 1565..1834, 1635..1841, 2048..2197		

Seq. No.	3472	Seq. ID	OJ990822_49.0207.C10

Gene No.	7385	Strand	-
Start	5484	End	5660
Name	OJ990822_49.0207.C10.o2.gs	Method	GENSCAN
Start	5484	End	5660
GI	none	Score	.44
Exons	5484..5660		

Seq. No.	3473	Seq. ID	OJ990822_49.0207.C11
Gene No.	7386	Strand	-
Start	5728	End	5908
Name	OJ990822_49.0207.C11.o2.gs	Method	GENSCAN
Start	5728	End	5908
GI	none	Score	.79
Exons	5728..5908		

Seq. No.	3474	Seq. ID	OJ990822_49.0207.C12
Gene No.	7387	Strand	+
Start	478	End	500
Name	OJ990822_49.0207.C12.o1.gs	Method	GENSCAN
Start	478	End	500
GI	none	Score	.51
Exons	478..500		

Seq. No.	3475	Seq. ID	OJ990822_49.0207.C13
Gene No.	7388	Strand	+
Start	1	End	197
Name	OJ990822_49.0207.C13.o1.gp	Method	AAT/GAP
Start	1	End	197
GI	uC-osflcyp033a04b1	Score	332
Exons	1..197		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3476	Seq. ID	OJ990822_49.0207.C14
Gene No.	7389	Strand	+
Start	115	End	1524
Name	OJ990822_49.0207.C14.o1.gs	Method	GENSCAN
Start	115	End	1524
GI	none	Score	.5
Exons	115..241, 283..398, 715..1524		

Seq. No.	3476	Seq. ID	OJ990822_49.0207.C14
Gene No.	7390	Strand	+
Start	1778	End	2657
Name	OJ990822_49.0207.C14.o1.np	Method	AAT/NAP
Start	1775	End	2657
GI	5042447	Score	675
Exons	1775..2657		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3476	Seq. ID	OJ990822_49.0207.C14
Gene No.	7390	Strand	+
Start	1778	End	2657
Name	OJ990822_49.0207.C14.o2.gs	Method	GENSCAN
Start	1778	End	2584
GI	none	Score	.6
Exons	1778..2584		

Seq. No.	3476	Seq. ID	OJ990822_49.0207.C14
Gene No.	7390	Strand	+
Start	1778	End	2657
Name	OJ990822_49.0207.C14.o2.tw	Method	TBLASTX:Wheat
Start	1952	End	2211
GI	none	Score	211
Exons	1952..1999, 2012..2209, 2014..2211		

Seq. No.	3476	Seq. ID	OJ990822_49.0207.C14
Gene No.	7390	Strand	+
Start	1778	End	2657
Name	OJ990822_49.0207.C14.o1.tw	Method	TBLASTX:Wheat
Start	2245	End	2596
GI	none	Score	293
Exons	2245..2439, 2246..2596		

Seq. No.	3476	Seq. ID	OJ990822_49.0207.C14
Gene No.	7390	Strand	+
Start	1778	End	2657
Name	OJ990822_49.0207.C14.o1.tm	Method	TBLASTX:Maize
Start	2246	End	2551
GI	none	Score	232
Exons	2246..2551, 2260..2376		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o1.np	Method	AAT/NAP
Start	1	End	2210
GI	4680179	Score	3146
Exons	1..2210		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o5.tw	Method	TBLASTX:Wheat
Start	1	End	207
GI	none	Score	256
Exons	1..207, 3..191		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o4.tm	Method	TBLASTX:Maize
Start	1	End	273
GI	none	Score	274
Exons	1..273, 69..272		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o2.ts	Method	TBLASTX:Soybean
Start	1	End	192
GI	none	Score	231
Exons	1..192, 12..191		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o3.tw	Method	TBLASTX:Wheat
Start	208	End	630
GI	none	Score	587
Exons	208..630, 240..629		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o3.ts	Method	TBLASTX:Soybean
Start	214	End	459
GI	none	Score	198
Exons	214..459, 216..458		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o2.tm	Method	TBLASTX:Maize
Start	278	End	633
GI	none	Score	83
Exons	278..415, 279..572, 279..629, 280..633		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o2.tw	Method	TBLASTX:Wheat
Start	633	End	1200
GI	none	Score	654
Exons	633..1199, 664..1200		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	907	End	1224
GI	none	Score	90
Exons	907..1080, 1081..1224, 1083..1223		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	988	End	1248
GI	none	Score	296
Exons	988..1248, 993..1247		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o3.tm	Method	TBLASTX:Maize
Start	1046	End	1338
GI	none	Score	90
Exons	1046..1207, 1047..1334, 1048..1338		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	1207	End	1833
GI	none	Score	683
Exons	1207..1833, 1263..1832		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	1387	End	1986
GI	none	Score	213
Exons	1387..1548, 1390..1476, 1395..1541, 1545..1970, 1546..1986		

Seq. No.	3477	Seq. ID	OJ990822_49.0207.C15
Gene No.	7391	Strand	+
Start	1	End	2210
Name	OJ990822_49.0207.C15.o4.tw	Method	TBLASTX:Wheat
Start	1833	End	2100
GI	none	Score	289
Exons	1833..2099, 1834..2100		

Seq. No.	3478	Seq. ID	OJ990822_49.0207.C17
Gene No.	7392	Strand	+
Start	3320	End	8758
Name	OJ990822_49.0207.C17.o1.gs	Method	GENSCAN
Start	3320	End	8570
GI	none	Score	.57
Exons	3320..3422, 5080..5160, 5440..5518, 7742..7827, 7969..8070, 8467..8570		

Seq. No.	3478	Seq. ID	OJ990822_49.0207.C17
Gene No.	7392	Strand	+
Start	3320	End	8758
Name	OJ990822_49.0207.C17.o1.gp	Method	AAT/GAP
Start	5662	End	5849
GI	none	Score	279
Exons	5662..5849		

Seq. No.	3478	Seq. ID	OJ990822_49.0207.C17
Gene No.	7392	Strand	+
Start	3320	End	8758
Name	OJ990822_49.0207.C17.o2.gp	Method	AAT/GAP
Start	7579	End	8758
GI	none	Score	1373
Exons	7579..7827, 7969..8070, 8262..8349, 8467..8758		

Seq. No.	3478	Seq. ID	OJ990822_49.0207.C17
Gene No.	7393	Strand	-
Start	11541	End	11760
Name	OJ990822_49.0207.C17.o2.gs	Method	GENSCAN
Start	11541	End	11760
GI	none	Score	.65
Exons	11541..11760		

Seq. No.	3479	Seq. ID	OJ990822_49.0207.C19
Gene No.	7394	Strand	+
Start	122	End	747
Name	OJ990822_49.0207.C19.o1.gs	Method	GENSCAN
Start	122	End	736
GI	none	Score	.99
Exons	122..736		

Seq. No.	3479	Seq. ID	OJ990822_49.0207.C19
Gene No.	7394	Strand	+
Start	122	End	747
Name	OJ990822_49.0207.C19.o1.ts	Method	TBLASTX:Soybean
Start	158	End	601
GI	none	Score	121
Exons	158..316, 244..321, 314..400,	416..601,	416..508

Seq. No.	3479	Seq. ID	OJ990822_49.0207.C19
Gene No.	7394	Strand	+
Start	122	End	747
Name	OJ990822_49.0207.C19.o1.np	Method	AAT/NAP
Start	260	End	747
GI	1773000	Score	695
Exons	260..747		
GI Descrip.	(Y09807) putative disease resistance [Oryza sativa]		

Seq. No.	3480	Seq. ID	OJ990822_49.0207.C20
Gene No.	7395	Strand	+
Start	79	End	477
Name	OJ990822_49.0207.C20.o1.gs	Method	GENSCAN
Start	79	End	441
GI	none	Score	.63
Exons	79..441		

Seq. No.	3480	Seq. ID	OJ990822_49.0207.C20
Gene No.	7395	Strand	+
Start	79	End	477
Name	OJ990822_49.0207.C20.o1.np	Method	AAT/NAP
Start	217	End	477
GI	1773000	Score	340
Exons	217..477		
GI Descrip.	(Y09807) putative disease resistance [Oryza sativa]		

Seq. No.	3480	Seq. ID	OJ990822_49.0207.C20
Gene No.	7395	Strand	+
Start	79	End	477
Name	OJ990822_49.0207.C20.o1.gp	Method	AAT/GAP
Start	308	End	477
GI	12687_1.R1084	Score	340
Exons	308..477		
GI Descrip.	'4519936/dbj|BAA75812.1| 3.0e-38 (AB019186) RPR1 [Oryza sativa]'		

Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o1.gp	Method	AAT/GAP
Start	1	End	301
GI	12687_1.R1084	Score	576

Exons	1..301		
GI Descrip.	'4519936/dbj|BAA75812.1| 3.0e-38 (AB019186) RPR1 [Oryza sativa]'		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o1.np	Method	AAT/NAP
Start	1	End	1148
GI	4519938	Score	1255
Exons	1..1148		
GI Descrip.	(AB019240) RPR1h [Oryza sativa]		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o1.gs	Method	GENSCAN
Start	24	End	1145
GI	none	Score	.76
Exons	24..1145		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o2.tw	Method	TBLASTX:Wheat
Start	144	End	398
GI	none	Score	212
Exons	144..398, 179..292, 317..379		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o1.ts	Method	TBLASTX:Soybean
Start	147	End	1045
GI	none	Score	228
Exons	147..698, 717..797, 813..1028, 860..1045		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o1.tm	Method	TBLASTX:Maize
Start	342	End	790
GI	none	Score	535
Exons	342..788, 343..639, 344..790		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o1.tw	Method	TBLASTX:Wheat
Start	439	End	791
GI	none	Score	145
Exons	439..786, 444..791, 449..730, 453..785		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o2.gp	Method	AAT/GAP
Start	623	End	1256

GI	4714986	Score	1144
Exons	623..1256		
GI Descrip.	4519936/dbj|BAA75812.1| 3.0e-38 (AB019186) RPR1 [Oryza sativa]		
Seq. No.	3481	Seq. ID	OJ990822_49.0207.C21
Gene No.	7396	Strand	+
Start	1	End	1256
Name	OJ990822_49.0207.C21.o2.tm	Method	TBLASTX:Maize
Start	791	End	1153
GI	none	Score	295
Exons	791..1153, 792..1145, 964..1146		
Seq. No.	3482	Seq. ID	OJ990822_49.0207.C22
Gene No.	7397	Strand	-
Start	903	End	1367
Name	OJ990822_49.0207.C22.o1.gs	Method	GENSCAN
Start	903	End	1367
GI	none	Score	.71
Exons	903..1367		
Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7398	Strand	+
Start	1	End	2466
Name	OJ990822_49.0207.C23.o1.np	Method	AAT/NAP
Start	1	End	2466
GI	4519936	Score	2639
Exons	1..2466		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		
Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o2.ts	Method	TBLASTX:Soybean
Start	256	End	706
GI	none	Score	134
Exons	256..417, 257..418, 413..499, 506..619, 521..658, 656..706		
Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o1.tc	Method	TBLASTX:Cress
Start	266	End	1636
GI	none	Score	42
Exons	266..346, 344..418, 419..499, 536..724, 815..907, 977..1123, 1133..1291, 1514..1636		
Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o1.ts	Method	TBLASTX:Soybean
Start	737	End	2346
GI	none	Score	58
Exons	737..790, 809..997, 835..906, 977..1129, 985..1116, 1136..1255, 1526..1705, 2200..2346		
Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-

Start	3135	End	6960
Name	OJ990822_49.0207.C23.o2.tw	Method	TBLASTX:Wheat
Start	803	End	1104
GI	none	Score	140
Exons	803..997, 841..969, 971..1102, 1009..1104		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1357
GI	none	Score	479
Exons	1016..1357, 1016..1348, 1017..1349, 1231..1356		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o4.tw	Method	TBLASTX:Wheat
Start	1445	End	1735
GI	none	Score	213
Exons	1445..1735, 1483..1629		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o2.tm	Method	TBLASTX:Maize
Start	1679	End	2110
GI	none	Score	309
Exons	1679..1909, 1679..1915, 1681..1953, 1681..1938, 1906..1959, 1935..2108, 1991..2110		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o1.tw	Method	TBLASTX:Wheat
Start	1776	End	2111
GI	none	Score	36
Exons	1776..1877, 1781..1903, 1786..1881, 1815..1895, 1904..2053, 1911..2102, 1935..2111, 1973..2110		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o3.tm	Method	TBLASTX:Maize
Start	2111	End	2478
GI	none	Score	108
Exons	2111..2194, 2112..2195, 2112..2198, 2113..2202, 2157..2408, 2203..2478, 2206..2463		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o2.gs	Method	GENSCAN
Start	3135	End	6860
GI	none	Score	.53
Exons	3135..3205, 3483..3640, 6139..6250, 6851..6860		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o4.tm	Method	TBLASTX:Maize
Start	6397	End	6867
GI	none	Score	276
Exons	6397..6768, 6403..6597, 6486..6656, 6706..6804, 6790..6867, 6799..6867		

Seq. No.	3483	Seq. ID	OJ990822_49.0207.C23
Gene No.	7399	Strand	-
Start	3135	End	6960
Name	OJ990822_49.0207.C23.o3.tw	Method	TBLASTX:Wheat
Start	6598	End	6960
GI	none	Score	232
Exons	6598..6957, 6646..6960		

Seq. No.	3484	Seq. ID	OJ990822_49.0207.C25
Gene No.	7400	Strand	-
Start	9	End	341
Name	OJ990822_49.0207.C25.o1.gs	Method	GENSCAN
Start	9	End	341
GI	none	Score	.44
Exons	9..341		

Seq. No.	3485	Seq. ID	OJ990822_49.0207.C26
Gene No.	7401	Strand	+
Start	6566	End	7219
Name	OJ990822_49.0207.C26.o2.gs	Method	GENSCAN
Start	6566	End	7219
GI	none	Score	.59
Exons	6566..7219		

Seq. No.	3485	Seq. ID	OJ990822_49.0207.C26
Gene No.	7402	Strand	-
Start	156	End	408
Name	OJ990822_49.0207.C26.o1.np	Method	AAT/NAP
Start	156	End	408
GI	6721547	Score	60
Exons	156..408		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	3486	Seq. ID	OJ990822_49.0207.C27
Gene No.	7403	Strand	+
Start	1	End	5825
Name	OJ990822_49.0207.C27.o1.np	Method	AAT/NAP
Start	1	End	2568
GI	4680207	Score	634
Exons	1..266, 743..2568		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	3486	Seq. ID	OJ990822_49.0207.C27
Gene No.	7403	Strand	+
Start	1	End	5825
Name	OJ990822_49.0207.C27.o1.gs	Method	GENSCAN
Start	53	End	5825

GI	none	Score	.6
Exons	53..266, 659..2614, 3408..3457, 4399..4505, 5659..5825		

Seq. No.	3486	Seq. ID	OJ990822_49.0207.C27
Gene No.	7403	Strand	+
Start	1	End	5825
Name	OJ990822_49.0207.C27.o1.tw	Method	TBLASTX:Wheat
Start	1176	End	1586
GI	none	Score	166
Exons	1176..1424, 1176..1298, 1323..1355, 1427..1498, 1428..1514, 1533..1586		

Seq. No.	3487	Seq. ID	OJ990822_49.0207.C28
Gene No.	7404	Strand	-
Start	92	End	397
Name	OJ990822_49.0207.C28.o1.gp	Method	AAT/GAP
Start	92	End	397
GI	72524_1.R1084	Score	413
Exons	92..397		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	3487	Seq. ID	OJ990822_49.0207.C28
Gene No.	7405	Strand	-
Start	423	End	618
Name	OJ990822_49.0207.C28.o1.gs	Method	GENSCAN
Start	423	End	618
GI	none	Score	.9
Exons	423..618		

Seq. No.	3488	Seq. ID	OJ990822_49.0207.C29
Gene No.	7406	Strand	+
Start	1384	End	1881
Name	OJ990822_49.0207.C29.o1.gs	Method	GENSCAN
Start	1384	End	1881
GI	none	Score	.74
Exons	1384..1881		

Seq. No.	3488	Seq. ID	OJ990822_49.0207.C29
Gene No.	7407	Strand	+
Start	2984	End	4459
Name	OJ990822_49.0207.C29.o1.np	Method	AAT/NAP
Start	2984	End	4459
GI	6721512	Score	62
Exons	2984..3115, 4419..4459		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3489	Seq. ID	OJ990822_49.0207.C30
Gene No.	7408	Strand	+
Start	1	End	225
Name	OJ990822_49.0207.C30.o1.np	Method	AAT/NAP
Start	1	End	225
GI	4680186	Score	316
Exons	1..225		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3489	Seq. ID	OJ990822_49.0207.C30

Gene No.	7409	Strand	-
Start	1	End	158
Name	OJ990822_49.0207.C30.o1.gp	Method	AAT/GAP
Start	1	End	158
GI	uC-osflcyp033a04b1	Score	291
Exons	1..158		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3489	Seq. ID	OJ990822_49.0207.C30
Gene No.	7410	Strand	-
Start	902	End	1074
Name	OJ990822_49.0207.C30.o2.gs	Method	GENSCAN
Start	902	End	1074
GI	none	Score	.51
Exons	902..1074		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7411	Strand	+
Start	7592	End	17929
Name	OJ990822_49.0207.C31.o2.gs	Method	GENSCAN
Start	7592	End	17929
GI	none	Score	.42
Exons	7592..7626, 8615..10823, 10847..11524, 11645..12415, 12448..13941, 14880..15119, 15211..15384, 17017..17065, 17535..17929		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7411	Strand	+
Start	7592	End	17929
Name	OJ990822_49.0207.C31.o2.np	Method	AAT/NAP
Start	8688	End	17893
GI	5922631	Score	6535
Exons	8688..8812, 9071..9315, 9574..9773, 9819..10394, 10437..10587, 10714..11636, 12243..14134, 17284..17893		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7411	Strand	+
Start	7592	End	17929
Name	OJ990822_49.0207.C31.o1.gp	Method	AAT/GAP
Start	16195	End	16576
GI	uC-osflcyp033a04b1	Score	675
Exons	16195..16576		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7412	Strand	+
Start	20841	End	21653
Name	OJ990822_49.0207.C31.o4.gs	Method	GENSCAN

Start	20841	End	21653
GI	none	Score	.95
Exons	20841..21245, 21573..21653		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7413	Strand	+
Start	24467	End	24761
Name	OJ990822_49.0207.C31.o3.gp	Method	AAT/GAP
Start	24467	End	24761
GI	61605_3.R1084	Score	465
Exons	24467..24761		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7414	Strand	-
Start	279	End	8559
Name	OJ990822_49.0207.C31.o1.gs	Method	GENSCAN
Start	279	End	5678
GI	none	Score	.64
Exons	279..2137, 2170..3233, 3239..3374, 3603..3813, 4011..4120, 4291..4369, 4461..4571, 5256..5678		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7414	Strand	-
Start	279	End	8559
Name	OJ990822_49.0207.C31.o1.np	Method	AAT/NAP
Start	282	End	8559
GI	4680179	Score	4692
Exons	282..3681, 3715..3842, 6028..6115, 8462..8559		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7415	Strand	-
Start	18255	End	21176
Name	OJ990822_49.0207.C31.o3.gs	Method	GENSCAN
Start	18255	End	20597
GI	none	Score	.94
Exons	18255..18599, 18630..18706, 18743..18880, 18952..19165, 19216..19403, 19480..19614, 19738..19871, 19916..20205, 20292..20597		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7415	Strand	-
Start	18255	End	21176
Name	OJ990822_49.0207.C31.o3.np	Method	AAT/NAP
Start	18258	End	21176
GI	6691716	Score	2473
Exons	18258..18706, 18776..18892, 19042..19141, 19216..19403, 19480..19653, 19730..19838, 19916..20094, 20292..21176		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7416	Strand	-
Start	23747	End	23881

Name	OJ990822_49.0207.C31.o5.gs	Method	GENSCAN
Start	23747	End	23881
GI	none	Score	.83
Exons	23747..23881		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o11.tw	Method	TBLASTX:Wheat
Start	327	End	660
GI	none	Score	124
Exons	327..659, 348..656, 391..660		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o1.tm	Method	TBLASTX:Maize
Start	507	End	1106
GI	none	Score	119
Exons	507..947, 522..785, 523..948, 945..1106, 952..1098		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o1.tw	Method	TBLASTX:Wheat
Start	660	End	1286
GI	none	Score	277
Exons	660..1286, 661..1230, 945..1280		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o5.tm	Method	TBLASTX:Maize
Start	1155	End	1446
GI	none	Score	212
Exons	1155..1445, 1159..1446		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o2.ts	Method	TBLASTX:Soybean
Start	1245	End	1505
GI	none	Score	155
Exons	1245..1505, 1246..1500		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o1.tc	Method	TBLASTX:Cress
Start	1269	End	1586
GI	none	Score	85
Exons	1269..1412, 1270..1410, 1413..1586		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o2.tw	Method	TBLASTX:Wheat

Start	1293	End	1860
GI	none	Score	334
Exons	1293..1829, 1294..1860		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o2.tm	Method	TBLASTX:Maize
Start	1860	End	2213
GI	none	Score	226
Exons	1860..2213, 1864..2211		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o3.tw	Method	TBLASTX:Wheat
Start	1863	End	2284
GI	none	Score	321
Exons	1863..2240, 1864..2208, 2219..2284		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o4.tm	Method	TBLASTX:Maize
Start	2249	End	12274
GI	none	Score	50
Exons	2249..2563, 2292..2342, 2370..2423, 2570..2749, 2619..2741, 12116..12274		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o15.tw	Method	TBLASTX:Wheat
Start	2285	End	2438
GI	none	Score	98
Exons	2285..2437, 2291..2434, 2301..2438		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o1.ts	Method	TBLASTX:Soybean
Start	2300	End	12520
GI	none	Score	170
Exons	2300..2659, 2301..2576, 2619..2657, 2663..2695, 2664..2693, 12203..12520		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o4.tw	Method	TBLASTX:Wheat
Start	2438	End	12427
GI	none	Score	487
Exons	2438..2827, 12008..12427, 12008..12310, 12010..12426		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535

Name	OJ990822_49.0207.C31.o6.tm	Method	TBLASTX:Maize
Start	2756	End	12112
GI	none	Score	338
Exons	2756..2986, 11783..12112, 11824..12111		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o5.tw	Method	TBLASTX:Wheat
Start	2909	End	11977
GI	none	Score	417
Exons	2909..2986, 11617..11976, 11618..11977, 11624..11977		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o13.tw	Method	TBLASTX:Wheat
Start	3286	End	3654
GI	none	Score	68
Exons	3286..3399, 3287..3400, 3445..3654, 3446..3598		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o10.tm	Method	TBLASTX:Maize
Start	3337	End	3660
GI	none	Score	189
Exons	3337..3660		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o12.tw	Method	TBLASTX:Wheat
Start	9999	End	10400
GI	none	Score	277
Exons	9999..10400		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o10.tw	Method	TBLASTX:Wheat
Start	11009	End	11410
GI	none	Score	340
Exons	11009..11410, 11152..11391		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o7.tm	Method	TBLASTX:Maize
Start	12371	End	12798
GI	none	Score	115
Exons	12371..12481, 12453..12608, 12481..12609, 12630..12761, 12631..12774, 12772..12798		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535

Name	OJ990822_49.0207.C31.o7.tw	Method	TBLASTX:Wheat
Start	12481	End	12885
GI	none	Score	396
Exons	12481..12885, 12492..12884		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o3.ts	Method	TBLASTX:Soybean
Start	12913	End	13301
GI	none	Score	88
Exons	12913..13017, 12921..13007, 13057..13128, 13062..13127, 13161..13301, 13177..13299		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o6.tw	Method	TBLASTX:Wheat
Start	12922	End	13346
GI	none	Score	408
Exons	12922..13344, 12930..13346		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o9.tm	Method	TBLASTX:Maize
Start	13174	End	13428
GI	none	Score	190
Exons	13174..13428		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o3.tm	Method	TBLASTX:Maize
Start	13657	End	14019
GI	none	Score	401
Exons	13657..13980, 13680..13964, 13966..14019, 13971..14018		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o8.tw	Method	TBLASTX:Wheat
Start	13663	End	14049
GI	none	Score	375
Exons	13663..14049, 13707..13973, 13858..14049		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o9.tw	Method	TBLASTX:Wheat
Start	17314	End	17917
GI	none	Score	53
Exons	17314..17361, 17364..17468, 17473..17565, 17474..17794, 17780..17917		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-

Start	25125	End	25535
Name	OJ990822_49.0207.C31.o8.tm	Method	TBLASTX:Maize
Start	17624	End	17878
GI	none	Score	165
Exons	17624..17797, 17776..17877, 17777..17878		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o14.tw	Method	TBLASTX:Wheat
Start	20766	End	21056
GI	none	Score	58
Exons	20766..21056, 20803..20910		

Seq. No.	3490	Seq. ID	OJ990822_49.0207.C31
Gene No.	7417	Strand	-
Start	25125	End	25535
Name	OJ990822_49.0207.C31.o4.np	Method	AAT/NAP
Start	25125	End	25535
GI	6063554	Score	125
Exons	25125..25297, 25398..25535		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3491	Seq. ID	OJ990822_49.0207.C32
Gene No.	7418	Strand	-
Start	584	End	724
Name	OJ990822_49.0207.C32.o1.gs	Method	GENSCAN
Start	584	End	724
GI	none	Score	.6
Exons	584..724		

Seq. No.	3492	Seq. ID	OJ990602_10.0228.C2
Gene No.	7419	Strand	
Start	104	End	308
Name	OJ990602_10.0228.C2.o1.tm	Method	TBLASTX:Maize
Start	104	End	308
GI	none	Score	90
Exons	104..253, 124..258, 125..259, 129..308		

Seq. No.	3493	Seq. ID	OJ990602_10.0228.C3
Gene No.	7420	Strand	
Start	514	End	834
Name	OJ990602_10.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	514	End	822
GI	none	Score	61
Exons	514..624, 515..625, 671..781, 706..783, 706..822		

Seq. No.	3493	Seq. ID	OJ990602_10.0228.C3
Gene No.	7420	Strand	
Start	514	End	834
Name	OJ990602_10.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	551	End	834
GI	none	Score	94
Exons	551..625, 553..627, 553..624, 704..820, 706..834, 706..822		

Seq. No.	3494	Seq. ID	OJ990602_10.0228.C9
Gene No.	7421	Strand	-
Start	412	End	501
Name	OJ990602_10.0228.C9.o1.gp	Method	AAT/GAP
Start	412	End	501
GI	3760640	Score	110
Exons	412..501		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	3495	Seq. ID	OJ990602_10.0228.C11
Gene No.	7422	Strand	
Start	191	End	505
Name	OJ990602_10.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	191	End	505
GI	none	Score	126
Exons	191..286, 192..287, 210..287, 398..505, 400..504		

Seq. No.	3495	Seq. ID	OJ990602_10.0228.C11
Gene No.	7422	Strand	
Start	191	End	505
Name	OJ990602_10.0228.C11.o1.tc	Method	TBLASTX:Cress
Start	192	End	487
GI	none	Score	104
Exons	192..287, 218..283, 393..473, 398..487, 400..483		

Seq. No.	3496	Seq. ID	OJ990602_10.0228.C15
Gene No.	7423	Strand	-
Start	2931	End	3248
Name	OJ990602_10.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	2618	End	2909
GI	none	Score	234
Exons	2618..2800, 2622..2801, 2802..2909		

Seq. No.	3496	Seq. ID	OJ990602_10.0228.C15
Gene No.	7423	Strand	-
Start	2931	End	3248
Name	OJ990602_10.0228.C15.o1.tc	Method	TBLASTX:Cress
Start	2621	End	2909
GI	none	Score	252
Exons	2621..2800, 2625..2801, 2808..2909, 2810..2902		

Seq. No.	3496	Seq. ID	OJ990602_10.0228.C15
Gene No.	7423	Strand	-
Start	2931	End	3248
Name	OJ990602_10.0228.C15.o1.tm	Method	TBLASTX:Maize
Start	2633	End	2909
GI	none	Score	262
Exons	2633..2800, 2634..2801, 2802..2909, 2825..2899		

Seq. No.	3496	Seq. ID	OJ990602_10.0228.C15
Gene No.	7423	Strand	-
Start	2931	End	3248
Name	OJ990602_10.0228.C15.o1.gp	Method	AAT/GAP
Start	2931	End	3248
GI	2280610	Score	598
Exons	2931..3248		

Seq. No.	3497	Seq. ID	OJ990602_10.0228.C17
Gene No.	7424	Strand	-
Start	138	End	256
Name	OJ990602_10.0228.C17.o1.gp	Method	AAT/GAP
Start	138	End	256
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	138..256		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3498	Seq. ID	OJ990602_10.0228.C20
Gene No.	7425	Strand	
Start	170	End	460
Name	OJ990602_10.0228.C20.o1.tw	Method	TBLASTX:Wheat
Start	170	End	460
GI	none	Score	155
Exons	170..460, 171..428		

Seq. No.	3499	Seq. ID	OJ990602_10.0228.C21
Gene No.	7426	Strand	
Start	1	End	503
Name	OJ990602_10.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	285
GI	none	Score	241
Exons	1..168, 3..161, 259..285		

Seq. No.	3499	Seq. ID	OJ990602_10.0228.C21
Gene No.	7426	Strand	
Start	1	End	503
Name	OJ990602_10.0228.C21.o1.ts	Method	TBLASTX:Soybean
Start	1	End	503
GI	5605823	Score	132
Exons	1..162, 3..143, 259..399, 259..399, 260..400, 477..503		
GI Descrip.	2651302 4.0e-67 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7427	Strand	+
Start	828	End	1169
Name	OJ990602_10.0228.C23.o1.gp	Method	AAT/GAP
Start	828	End	1169
GI	59584_1.R1084	Score	677
Exons	828..1169		
GI Descrip.	'3738230/dbj|BAA33794| 1.0e-22 (AB007790) DREB2A [Arabidopsis thaliana] >gi_4126706_dbj_BAA36705_ (AB016570) DREB2A [Arabidopsis thaliana]'		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7428	Strand	-
Start	1494	End	1687
Name	OJ990602_10.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	688	End	1128
GI	none	Score	347
Exons	688..1128, 702..1031		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7428	Strand	-
Start	1494	End	1687
Name	OJ990602_10.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	772	End	1116
GI	none	Score	337
Exons	772..1116, 781..1032, 789..1079		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7428	Strand	-
Start	1494	End	1687
Name	OJ990602_10.0228.C23.o2.tm	Method	TBLASTX:Maize
Start	817	End	1140
GI	none	Score	373
Exons	817..1140, 817..1065, 818..1102, 822..1103		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7428	Strand	-
Start	1494	End	1687
Name	OJ990602_10.0228.C23.o2.gp	Method	AAT/GAP
Start	1494	End	1687
GI	none	Score	348
Exons	1494..1687		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7429	Strand	
Start	1937	End	2584
Name	OJ990602_10.0228.C23.o2.tc	Method	TBLASTX:Cress
Start	1937	End	2249
GI	none	Score	154
Exons	1937..2242, 1946..2248, 1998..2249		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7429	Strand	
Start	1937	End	2584
Name	OJ990602_10.0228.C23.o2.ts	Method	TBLASTX:Soybean
Start	1943	End	2518
GI	none	Score	55
Exons	1943..2425, 2474..2518		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7429	Strand	
Start	1937	End	2584
Name	OJ990602_10.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	2166	End	2584
GI	none	Score	595
Exons	2166..2579, 2167..2577, 2168..2584		

Seq. No.	3500	Seq. ID	OJ990602_10.0228.C23
Gene No.	7429	Strand	
Start	1937	End	2584
Name	OJ990602_10.0228.C23.o3.tc	Method	TBLASTX:Cress
Start	2333	End	2584
GI	none	Score	165
Exons	2333..2584, 2358..2579		

Seq. No.	3501	Seq. ID	OJ990602_10.0228.C24

Gene No.	7430	Strand	-
Start	629	End	1003
Name	OJ990602_10.0228.C24.o1.tc	Method	TBLASTX:Cress
Start	125	End	310
GI	none	Score	106
Exons	125..310, 131..310		

Seq. No.	3501	Seq. ID	OJ990602_10.0228.C24
Gene No.	7430	Strand	-
Start	629	End	1003
Name	OJ990602_10.0228.C24.o1.tm	Method	TBLASTX:Maize
Start	307	End	539
GI	none	Score	251
Exons	307..483, 308..535, 309..539		

Seq. No.	3501	Seq. ID	OJ990602_10.0228.C24
Gene No.	7430	Strand	-
Start	629	End	1003
Name	OJ990602_10.0228.C24.o1.ts	Method	TBLASTX:Soybean
Start	542	End	988
GI	none	Score	59
Exons	542..637, 543..635, 650..823,	869..988, 880..987	

Seq. No.	3501	Seq. ID	OJ990602_10.0228.C24
Gene No.	7430	Strand	-
Start	629	End	1003
Name	OJ990602_10.0228.C24.o1.gp	Method	AAT/GAP
Start	629	End	1003
GI	none	Score	738
Exons	629..1003		

Seq. No.	3502	Seq. ID	OJ990602_10.0228.C25
Gene No.	7431	Strand	-
Start	859	End	1209
Name	OJ990602_10.0228.C25.o2.gp	Method	AAT/GAP
Start	859	End	1209
GI	426963	Score	632
Exons	859..1209		

Seq. No.	3503	Seq. ID	OJ990602_10.0228.C26
Gene No.	7432	Strand	
Start	239	End	1324
Name	OJ990602_10.0228.C26.o1.tm	Method	TBLASTX:Maize
Start	239	End	1324
GI	none	Score	83
Exons	239..328, 254..331, 412..495, 414..497, 417..497, 419..508, 423..482, 1166..1324, 1167..1322, 1175..1324, 1175..1297, 1208..1324, 1209..1265, 1232..1318, 1245..1298		

Seq. No.	3504	Seq. ID	OJ990602_10.0228.C28
Gene No.	7433	Strand	+
Start	469	End	567
Name	OJ990602_10.0228.C28.o1.gp	Method	AAT/GAP
Start	469	End	567
GI	2796811	Score	143
Exons	469..567		

Seq. No.	3505	Seq. ID	OJ990602_10.0228.C32
Gene No.	7434	Strand	-
Start	1	End	143
Name	OJ990602_10.0228.C32.o1.gp	Method	AAT/GAP
Start	1	End	143
GI	2310876	Score	265
Exons	1..143		

Seq. No.	3506	Seq. ID	OJ990602_10.0228.C34
Gene No.	7435	Strand	+
Start	161	End	1087
Name	OJ990602_10.0228.C34.o1.gp	Method	AAT/GAP
Start	161	End	1079
GI	22365_2.R1084	Score	516
Exons	161..277, 895..1079		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3506	Seq. ID	OJ990602_10.0228.C34
Gene No.	7435	Strand	+
Start	161	End	1087
Name	OJ990602_10.0228.C34.o1.tm	Method	TBLASTX:Maize
Start	927	End	1087
GI	none	Score	212
Exons	927..1079, 929..1087		

Seq. No.	3507	Seq. ID	OJ990602_10.0228.C41
Gene No.	7436	Strand	+
Start	1	End	668
Name	OJ990602_10.0228.C41.o1.gp	Method	AAT/GAP
Start	1	End	668
GI	3766731	Score	725
Exons	1..60, 164..231, 357..668		
GI Descrip.	2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3507	Seq. ID	OJ990602_10.0228.C41
Gene No.	7437	Strand	-
Start	1132	End	2311
Name	OJ990602_10.0228.C41.o1.tm	Method	TBLASTX:Maize
Start	1	End	492
GI	none	Score	94
Exons	1..66, 3..65, 4..66, 5..73, 161..229, 162..230, 162..230, 163..234, 164..286, 349..492, 354..434		

Seq. No.	3507	Seq. ID	OJ990602_10.0228.C41
Gene No.	7437	Strand	-
Start	1132	End	2311
Name	OJ990602_10.0228.C41.o2.gp	Method	AAT/GAP
Start	1132	End	2311
GI	22365_2.R1084	Score	1129
Exons	1132..1400, 1746..1805, 1892..2096, 2188..2311		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3507	Seq. ID	OJ990602_10.0228.C41
Gene No.	7437	Strand	-

Start	1132	End	2311
Name	OJ990602_10.0228.C41.o3.tm	Method	TBLASTX:Maize
Start	1284	End	2003
GI	none	Score	149
Exons	1284..1403, 1285..1404, 1746..1829, 1747..1848, 1872..1997, 1880..1996, 1893..2003		

Seq. No.	3507	Seq. ID	OJ990602_10.0228.C41
Gene No.	7437	Strand	-
Start	1132	End	2311
Name	OJ990602_10.0228.C41.o1.tc	Method	TBLASTX:Cress
Start	1305	End	2310
GI	none	Score	41
Exons	1305..1403, 1755..1808, 1771..1809, 1880..1999, 1890..1967, 2040..2099, 2056..2100, 2188..2310, 2189..2302		

Seq. No.	3507	Seq. ID	OJ990602_10.0228.C41
Gene No.	7437	Strand	-
Start	1132	End	2311
Name	OJ990602_10.0228.C41.o2.tm	Method	TBLASTX:Maize
Start	2061	End	2311
GI	none	Score	51
Exons	2061..2099, 2062..2100, 2062..2124, 2180..2311, 2188..2310, 2189..2311		

Seq. No.	3508	Seq. ID	OJ990602_10.0228.C45
Gene No.	7438	Strand	
Start	10	End	675
Name	OJ990602_10.0228.C45.o1.tm	Method	TBLASTX:Maize
Start	10	End	675
GI	none	Score	160
Exons	10..126, 12..128, 529..654, 530..655, 584..670, 634..675, 640..672		

Seq. No.	3509	Seq. ID	OJ990602_10.0228.C46
Gene No.	7439	Strand	+
Start	2496	End	3596
Name	OJ990602_10.0228.C46.o1.tm	Method	TBLASTX:Maize
Start	87	End	342
GI	none	Score	149
Exons	87..212, 88..240, 142..342, 192..266		

Seq. No.	3509	Seq. ID	OJ990602_10.0228.C46
Gene No.	7439	Strand	+
Start	2496	End	3596
Name	OJ990602_10.0228.C46.o1.gp	Method	AAT/GAP
Start	2496	End	3596
GI	2427608	Score	650
Exons	2496..2628, 2973..3030, 3408..3596		

Seq. No.	3509	Seq. ID	OJ990602_10.0228.C46
Gene No.	7440	Strand	
Start	3506	End	3732
Name	OJ990602_10.0228.C46.o1.ts	Method	TBLASTX:Soybean
Start	3506	End	3732
GI	none	Score	108
Exons	3506..3712, 3511..3732, 3532..3720, 3604..3714		

Seq. No.	3510	Seq. ID	OJ990602_10.0228.C47
Gene No.	7441	Strand	
Start	1	End	2195
Name	OJ990602_10.0228.C47.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2174
GI	none	Score	155
Exons	1..390, 6..419, 33..335, 87..353, 90..266, 93..272, 165..362, 171..272, 303..362, 516..557, 597..875, 609..728, 615..860, 615..860, 750..881, 849..944, 861..944, 876..935, 888..1016, 888..995, 888..986, 897..1151, 897..1031, 1017..1127, 1032..1067, 1239..1376, 1545..1727, 1551..1790, 1551..1754, 1554..1814, 1617..1925, 1692..1952, 1698..2036, 1764..2021, 2052..2174		

Seq. No.	3510	Seq. ID	OJ990602_10.0228.C47
Gene No.	7441	Strand	
Start	1	End	2195
Name	OJ990602_10.0228.C47.o1.tc	Method	TBLASTX:Cress
Start	27	End	2195
GI	none	Score	83
Exons	27..137, 27..362, 27..359, 27..311, 27..254, 28..336, 42..317, 72..362, 81..290, 90..137, 111..272, 225..362, 465..569, 588..773, 597..881, 597..830, 609..887, 609..869, 657..860, 678..860, 741..962, 859..1029, 882..1028, 882..992, 885..1097, 888..1079, 888..1067, 888..992, 888..977, 894..1025, 894..992, 897..1079, 897..1004, 897..1025, 898..1071, 1071..1151, 1080..1151, 1248..1328, 1254..1334, 1362..1466, 1542..2036, 1542..1958, 1542..1847, 1542..1751, 1542..2033, 1551..1928, 1551..1895, 1581..1751, 1605..1940, 1605..1865, 1650..1826, 1677..1886, 1696..1785, 1746..1889, 1762..1845, 1777..1959, 1818..2021, 2040..2171, 2052..2195		

Seq. No.	3510	Seq. ID	OJ990602_10.0228.C47
Gene No.	7441	Strand	
Start	1	End	2195
Name	OJ990602_10.0228.C47.o1.tw	Method	TBLASTX:Wheat
Start	27	End	2183
GI	none	Score	78
Exons	27..218, 39..410, 40..270, 609..860, 2028..2183		

Seq. No.	3510	Seq. ID	OJ990602_10.0228.C47
Gene No.	7441	Strand	
Start	1	End	2195
Name	OJ990602_10.0228.C47.o1.tm	Method	TBLASTX:Maize
Start	81	End	1892
GI	none	Score	393
Exons	81..218, 90..272, 291..356, 514..768, 519..1067, 520..1068, 885..1070, 1209..1334, 1542..1826, 1614..1751, 1626..1892, 1692..1805		

Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7442	Strand	
Start	1	End	396
Name	OJ990602_10.0228.C49.o3.tm	Method	TBLASTX:Maize
Start	1	End	294
GI	none	Score	180

Exons	1..294, 2..265		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7442	Strand	
Start	1	End	396
Name	OJ990602_10.0228.C49.o4.tw	Method	TBLASTX:Wheat
Start	1	End	396
GI	none	Score	103
Exons	1..396, 80..238		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7443	Strand	
Start	487	End	1260
Name	OJ990602_10.0228.C49.o5.tw	Method	TBLASTX:Wheat
Start	487	End	799
GI	none	Score	64
Exons	487..747, 598..786, 623..799		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7443	Strand	
Start	487	End	1260
Name	OJ990602_10.0228.C49.o2.ts	Method	TBLASTX:Soybean
Start	547	End	1113
GI	5666795	Score	68
Exons	547..747, 802..939, 1015..1113		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7443	Strand	
Start	487	End	1260
Name	OJ990602_10.0228.C49.o3.tw	Method	TBLASTX:Wheat
Start	802	End	1260
GI	none	Score	79
Exons	802..951, 803..940, 805..942, 998..1171, 1012..1260, 1012..1236		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7444	Strand	
Start	1861	End	2368
Name	OJ990602_10.0228.C49.o1.ts	Method	TBLASTX:Soybean
Start	1861	End	2232
GI	none	Score	90
Exons	1861..2232, 2072..2215		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7444	Strand	
Start	1861	End	2368
Name	OJ990602_10.0228.C49.o2.tw	Method	TBLASTX:Wheat
Start	1886	End	2310
GI	none	Score	330
Exons	1886..2305, 1891..2310		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7444	Strand	
Start	1861	End	2368
Name	OJ990602_10.0228.C49.o2.tm	Method	TBLASTX:Maize
Start	1984	End	2368
GI	none	Score	221

Exons	1984..2367, 2003..2368		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7445	Strand	
Start	2395	End	2882
Name	OJ990602_10.0228.C49.o1.tm	Method	TBLASTX:Maize
Start	2395	End	2751
GI	none	Score	113
Exons	2395..2685, 2395..2751, 2405..2716		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7445	Strand	
Start	2395	End	2882
Name	OJ990602_10.0228.C49.o1.tw	Method	TBLASTX:Wheat
Start	2419	End	2882
GI	none	Score	384
Exons	2419..2880, 2420..2881, 2439..2882		
Seq. No.	3511	Seq. ID	OJ990602_10.0228.C49
Gene No.	7445	Strand	
Start	2395	End	2882
Name	OJ990602_10.0228.C49.o3.ts	Method	TBLASTX:Soybean
Start	2476	End	2841
GI	none	Score	117
Exons	2476..2610, 2617..2841		
Seq. No.	3512	Seq. ID	OJ990602_10.0228.C52
Gene No.	7446	Strand	
Start	173	End	688
Name	OJ990602_10.0228.C52.o1.tm	Method	TBLASTX:Maize
Start	173	End	688
GI	none	Score	163
Exons	173..376, 180..377, 199..378, 205..378, 216..383, 476..544, 483..548, 483..548, 644..688, 644..688		
Seq. No.	3512	Seq. ID	OJ990602_10.0228.C52
Gene No.	7446	Strand	
Start	173	End	688
Name	OJ990602_10.0228.C52.o1.tc	Method	TBLASTX:Cress
Start	199	End	378
GI	none	Score	132
Exons	199..378, 207..377		
Seq. No.	3512	Seq. ID	OJ990602_10.0228.C52
Gene No.	7446	Strand	
Start	173	End	688
Name	OJ990602_10.0228.C52.o1.ts	Method	TBLASTX:Soybean
Start	199	End	526
GI	none	Score	147
Exons	199..381, 207..383, 476..526, 482..520		
Seq. No.	3512	Seq. ID	OJ990602_10.0228.C52
Gene No.	7446	Strand	
Start	173	End	688
Name	OJ990602_10.0228.C52.o2.tw	Method	TBLASTX:Wheat
Start	207	End	383
GI	none	Score	73

Exons	207..374, 216..383, 226..378		
Seq. No.	3512	Seq. ID	OJ990602_10.0228.C52
Gene No.	7447	Strand	
Start	773	End	1286
Name	OJ990602_10.0228.C52.o1.tw	Method	TBLASTX:Wheat
Start	773	End	1286
GI	none	Score	55
Exons	773..832, 778..849, 779..856, 950..991, 1034..1075, 1175..1285, 1221..1286		
Seq. No.	3512	Seq. ID	OJ990602_10.0228.C52
Gene No.	7447	Strand	
Start	773	End	1286
Name	OJ990602_10.0228.C52.o2.tm	Method	TBLASTX:Maize
Start	776	End	1286
GI	none	Score	54
Exons	776..832, 779..856, 950..985, 992..1075, 1175..1285, 1224..1286		
Seq. No.	3513	Seq. ID	OJ990602_10.0228.C54
Gene No.	7448	Strand	-
Start	295	End	1133
Name	OJ990602_10.0228.C54.o1.gp	Method	AAT/GAP
Start	295	End	1133
GI	LIB3431-006-P1-K1-H11	Score	726
Exons	295..326, 434..520, 600..767, 1004..1133		
GI Descrip.	'225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]'		
Seq. No.	3514	Seq. ID	OJ990602_10.0228.C55
Gene No.	7449	Strand	
Start	1306	End	1711
Name	OJ990602_10.0228.C55.o2.tm	Method	TBLASTX:Maize
Start	1306	End	1711
GI	none	Score	64
Exons	1306..1350, 1308..1379, 1308..1364, 1440..1535, 1445..1525, 1533..1628, 1582..1701, 1585..1707, 1592..1711		
Seq. No.	3514	Seq. ID	OJ990602_10.0228.C55
Gene No.	7450	Strand	
Start	2010	End	2734
Name	OJ990602_10.0228.C55.o1.tm	Method	TBLASTX:Maize
Start	2010	End	2734
GI	none	Score	80
Exons	2010..2036, 2403..2480, 2403..2474, 2405..2476, 2480..2545, 2483..2542, 2490..2546, 2605..2730, 2612..2734, 2623..2733		
Seq. No.	3515	Seq. ID	OJ990602_10.0228.C56
Gene No.	7451	Strand	
Start	417	End	3820
Name	OJ990602_10.0228.C56.o1.tm	Method	TBLASTX:Maize
Start	417	End	3820
GI	none	Score	46
Exons	417..464, 418..456, 480..743, 484..717, 491..736, 504..743, 1555..1659, 1557..1667, 1559..1699, 1559..1666, 2039..2164, 2049..2153, 2309..2419, 2310..2387, 2766..2900, 2792..2872, 3204..3284, 3208..3285, 3715..3792, 3716..3820		

Seq. No.	3516	Seq. ID	OJ990602_10.0228.C58
Gene No.	7452	Strand	
Start	2	End	579
Name	OJ990602_10.0228.C58.o1.tm	Method	TBLASTX:Maize
Start	2	End	579
GI	none	Score	39
Exons	2..40, 3..32, 131..199, 135..200, 136..198, 313..477, 313..480, 556..579		

Seq. No.	3517	Seq. ID	OJ990602_10.0228.C61
Gene No.	7453	Strand	
Start	711	End	2115
Name	OJ990602_10.0228.C61.o1.tm	Method	TBLASTX:Maize
Start	711	End	2115
GI	none	Score	79
Exons	711..809, 712..819, 712..819, 886..1032, 886..1032, 887..1033, 1342..1398, 1344..1397, 1565..1666, 1576..1677, 1577..1660, 1962..2105, 1977..2105, 2050..2115		

Seq. No.	3518	Seq. ID	OJ990602_10.0228.C64
Gene No.	7454	Strand	
Start	58	End	349
Name	OJ990602_10.0228.C64.o1.tw	Method	TBLASTX:Wheat
Start	58	End	349
GI	none	Score	112
Exons	58..348, 89..349		

Seq. No.	3519	Seq. ID	OJ990602_10.0228.C67
Gene No.	7455	Strand	+
Start	314	End	434
Name	OJ990602_10.0228.C67.o1.gp	Method	AAT/GAP
Start	314	End	434
GI	22365_2.R1084	Score	164
Exons	314..434		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3520	Seq. ID	OJ990602_10.0228.C70
Gene No.	7456	Strand	
Start	213	End	395
Name	OJ990602_10.0228.C70.o1.tm	Method	TBLASTX:Maize
Start	213	End	395
GI	none	Score	188
Exons	213..395, 218..394		

Seq. No.	3521	Seq. ID	OJ990602_10.0228.C76
Gene No.	7457	Strand	
Start	141	End	540
Name	OJ990602_10.0228.C76.o1.tm	Method	TBLASTX:Maize
Start	141	End	519
GI	none	Score	147
Exons	141..323, 157..321, 208..399, 316..519, 359..427		

Seq. No.	3521	Seq. ID	OJ990602_10.0228.C76
Gene No.	7457	Strand	
Start	141	End	540
Name	OJ990602_10.0228.C76.o1.tw	Method	TBLASTX:Wheat

Start	159	End	540
GI	none	Score	95
Exons	159..227, 316..540, 317..532		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7458	Strand	+
Start	1	End	4515
Name	OJ990802_12.0218.C1.o1.np	Method	AAT/NAP
Start	1	End	4515
GI	133446	Score	202
Exons	1..121, 2499..2766, 4492..4515		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7458	Strand	+
Start	1	End	4515
Name	OJ990802_12.0218.C1.o1.gs	Method	GENSCAN
Start	266	End	318
GI	none	Score	.65
Exons	266..318		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7459	Strand	+
Start	10364	End	16644
Name	OJ990802_12.0218.C1.o2.np	Method	AAT/NAP
Start	10364	End	16485
GI	6523547	Score	237
Exons	10364..10511, 11295..11787, 11926..12171, 15803..16065, 16127..16180, 16416..16485		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7459	Strand	+
Start	10364	End	16644
Name	OJ990802_12.0218.C1.o4.gs	Method	GENSCAN
Start	14851	End	16644
GI	none	Score	.89
Exons	14851..14872, 15251..16644		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7460	Strand	-
Start	20450	End	22002
Name	OJ990802_12.0218.C1.o1.gp	Method	AAT/GAP
Start	20014	End	20104
GI	21474_1.R1084	Score	133
Exons	20014..20104		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7460	Strand	-
Start	20450	End	22002
Name	OJ990802_12.0218.C1.o5.gs	Method	GENSCAN

Start	20450	End	21899
GI	none	Score	.97
Exons	20450..20586, 20715..20743, 21076..21186, 21283..21456, 21568..21899		

Seq. No.	3522	Seq. ID	OJ990802_12.0218.C1
Gene No.	7460	Strand	-
Start	20450	End	22002
Name	OJ990802_12.0218.C1.o2.gp	Method	AAT/GAP
Start	21668	End	22002
GI	uC-osflcyp176f10b1	Score	634
Exons	21668..22002		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	3523	Seq. ID	OJ990802_12.0218.C2
Gene No.	7461	Strand	-
Start	1	End	804
Name	OJ990802_12.0218.C2.o1.np	Method	AAT/NAP
Start	1	End	804
GI	4680204	Score	479
Exons	1..804		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3523	Seq. ID	OJ990802_12.0218.C2
Gene No.	7461	Strand	-
Start	1	End	804
Name	OJ990802_12.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	401	End	804
GI	none	Score	42
Exons	401..496, 401..571, 534..701, 566..802, 653..802, 688..804		

Seq. No.	3524	Seq. ID	OJ990802_12.0218.C3
Gene No.	7462	Strand	+
Start	1	End	106
Name	OJ990802_12.0218.C3.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	1..106		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3524	Seq. ID	OJ990802_12.0218.C3
Gene No.	7463	Strand	+
Start	138	End	434
Name	OJ990802_12.0218.C3.o1.gs	Method	GENSCAN
Start	138	End	434
GI	none	Score	.72
Exons	138..434		

Seq. No.	3525	Seq. ID	OJ990802_12.0218.C6
Gene No.	7464	Strand	+
Start	1	End	896
Name	OJ990802_12.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	896

GI	4416302	Score	571
Exons	1..896		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	3525	Seq. ID	OJ990802_12.0218.C6
Gene No.	7464	Strand	+
Start	1	End	896
Name	OJ990802_12.0218.C6.o1.gs	Method	GENSCAN
Start	26	End	813
GI	none	Score	.81
Exons	26..257, 563..813		

Seq. No.	3525	Seq. ID	OJ990802_12.0218.C6
Gene No.	7464	Strand	+
Start	1	End	896
Name	OJ990802_12.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	44	End	577
GI	none	Score	238
Exons	44..469, 52..189, 497..577		

Seq. No.	3525	Seq. ID	OJ990802_12.0218.C6
Gene No.	7464	Strand	+
Start	1	End	896
Name	OJ990802_12.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	86	End	720
GI	none	Score	77
Exons	86..151, 91..153, 152..574, 175..270, 260..466, 310..567, 565..720		

Seq. No.	3525	Seq. ID	OJ990802_12.0218.C6
Gene No.	7464	Strand	+
Start	1	End	896
Name	OJ990802_12.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	260	End	720
GI	none	Score	218
Exons	260..571, 278..457, 334..564, 592..720		

Seq. No.	3525	Seq. ID	OJ990802_12.0218.C6
Gene No.	7464	Strand	+
Start	1	End	896
Name	OJ990802_12.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	278	End	714
GI	none	Score	162
Exons	278..568, 283..363, 592..714		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7465	Strand	+
Start	1	End	1463
Name	OJ990802_12.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	1463
GI	4416302	Score	1501
Exons	1..1463		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7466	Strand	+
Start	3336	End	5826

Name	OJ990802_12.0218.C7.o2.gs	Method	GENSCAN
Start	3336	End	5826
GI	none	Score	.59
Exons	3336..3377, 4283..4453, 5806..5826		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7467	Strand	+
Start	8661	End	10608
Name	OJ990802_12.0218.C7.o2.np	Method	AAT/NAP
Start	8661	End	10608
GI	4680186	Score	237
Exons	8661..8688, 10400..10608		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7468	Strand	+
Start	15094	End	15949
Name	OJ990802_12.0218.C7.o4.gs	Method	GENSCAN
Start	15094	End	15949
GI	none	Score	.94
Exons	15094..15147, 15275..15388, 15434..15458, 15771..15949		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7469	Strand	+
Start	20113	End	21164
Name	OJ990802_12.0218.C7.o7.gs	Method	GENSCAN
Start	20113	End	21164
GI	none	Score	.94
Exons	20113..20493, 20787..21164		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7470	Strand	+
Start	21608	End	22837
Name	OJ990802_12.0218.C7.o8.gs	Method	GENSCAN
Start	21608	End	22837
GI	none	Score	.65
Exons	21608..21883, 21947..22151, 22818..22837		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7471	Strand	+
Start	24767	End	30222
Name	OJ990802_12.0218.C7.o4.np	Method	AAT/NAP
Start	24140	End	30222
GI	6466937	Score	2339
Exons	24140..24316, 25770..26398, 26447..30061, 30176..30222		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7471	Strand	+
Start	24767	End	30222
Name	OJ990802_12.0218.C7.o9.gs	Method	GENSCAN
Start	24767	End	30077
GI	none	Score	.57
Exons	24767..24905, 25097..25200, 25283..26371, 26524..26695, 26840..27835, 27970..28221, 28510..28650, 28816..28925, 29499..30077		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7472	Strand	-
Start	10156	End	10538
Name	OJ990802_12.0218.C7.o1.gp	Method	AAT/GAP
Start	10156	End	10538
GI	uC-osflcyp033a04b1	Score	676
Exons	10156..10538		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7473	Strand	-
Start	10999	End	12720
Name	OJ990802_12.0218.C7.o3.np	Method	AAT/NAP
Start	10999	End	12720
GI	6907087	Score	1004
Exons	10999..11100, 11639..12720		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7474	Strand	-
Start	16269	End	16784
Name	OJ990802_12.0218.C7.o5.gs	Method	GENSCAN
Start	16269	End	16784
GI	none	Score	.66
Exons	16269..16508, 16539..16784		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	430
GI	5509260	Score	297
Exons	2..271, 6..272, 276..428, 278..430		
GI Descrip.	-		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	27	End	419
GI	none	Score	35
Exons	27..62, 63..272, 69..194, 71..208, 238..270, 240..275, 275..415, 276..419		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	44	End	272
GI	none	Score	205
Exons	44..271, 48..272		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7

Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o6.tm	Method	TBLASTX:Maize
Start	86	End	548
GI	none	Score	227
Exons	86..271, 87..272, 275..535, 276..548		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o5.tw	Method	TBLASTX:Wheat
Start	609	End	1040
GI	none	Score	109
Exons	609..758, 783..1040		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	768	End	1463
GI	none	Score	710
Exons	768..1442, 794..1399, 1152..1463		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o2.ts	Method	TBLASTX:Soybean
Start	804	End	1436
GI	none	Score	267
Exons	804..1193, 992..1150, 1212..1436, 1226..1318		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o2.tc	Method	TBLASTX:Cress
Start	1077	End	1442
GI	none	Score	80
Exons	1077..1208, 1197..1442		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o8.tw	Method	TBLASTX:Wheat
Start	1077	End	1397
GI	none	Score	91
Exons	1077..1202, 1221..1397		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7475	Strand	-
Start	18106	End	18704
Name	OJ990802_12.0218.C7.o6.gs	Method	GENSCAN
Start	18106	End	18704
GI	none	Score	.61
Exons	18106..18356, 18425..18704		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7476	Strand	

Start	26419	End	27090
Name	OJ990802_12.0218.C7.o7.tm	Method	TBLASTX:Maize
Start	26419	End	27090
GI	none	Score	129
Exons	26419..26556, 26451..26519, 26559..26852, 26617..26865, 26951..27010, 26956..27090		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7477	Strand	
Start	27145	End	27702
Name	OJ990802_12.0218.C7.o5.tm	Method	TBLASTX:Maize
Start	27145	End	27627
GI	none	Score	508
Exons	27145..27627, 27195..27605		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7477	Strand	
Start	27145	End	27702
Name	OJ990802_12.0218.C7.o3.tw	Method	TBLASTX:Wheat
Start	27250	End	27702
GI	none	Score	349
Exons	27250..27702, 27258..27611, 27400..27696, 27636..27698		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7477	Strand	
Start	27145	End	27702
Name	OJ990802_12.0218.C7.o5.ts	Method	TBLASTX:Soybean
Start	27286	End	27600
GI	none	Score	203
Exons	27286..27600		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7478	Strand	
Start	27643	End	28490
Name	OJ990802_12.0218.C7.o8.tm	Method	TBLASTX:Maize
Start	27643	End	27903
GI	none	Score	83
Exons	27643..27705, 27646..27903, 27751..27903		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7478	Strand	
Start	27643	End	28490
Name	OJ990802_12.0218.C7.o6.tw	Method	TBLASTX:Wheat
Start	27781	End	28163
GI	none	Score	113
Exons	27781..27942, 27783..27938, 27953..28126, 27969..28163		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7478	Strand	
Start	27643	End	28490
Name	OJ990802_12.0218.C7.o3.tm	Method	TBLASTX:Maize
Start	27996	End	28490
GI	none	Score	539
Exons	27996..28490, 28013..28483, 28029..28490		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7478	Strand	

Start	27643	End	28490
Name	OJ990802_12.0218.C7.o4.ts	Method	TBLASTX:Soybean
Start	28073	End	28328
GI	none	Score	206
Exons	28073..28222, 28074..28328, 28110..28223		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7479	Strand	
Start	28509	End	30137
Name	OJ990802_12.0218.C7.o4.tw	Method	TBLASTX:Wheat
Start	28509	End	28907
GI	none	Score	323
Exons	28509..28907, 28664..28906		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7479	Strand	
Start	28509	End	30137
Name	OJ990802_12.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	28740	End	29375
GI	none	Score	763
Exons	28740..29375, 28826..29374, 28902..29375		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7479	Strand	
Start	28509	End	30137
Name	OJ990802_12.0218.C7.o3.ts	Method	TBLASTX:Soybean
Start	28764	End	29147
GI	none	Score	318
Exons	28764..29147, 28835..29056		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7479	Strand	
Start	28509	End	30137
Name	OJ990802_12.0218.C7.o2.tw	Method	TBLASTX:Wheat
Start	28995	End	29588
GI	none	Score	304
Exons	28995..29381, 29436..29588		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7479	Strand	
Start	28509	End	30137
Name	OJ990802_12.0218.C7.o4.tm	Method	TBLASTX:Maize
Start	29382	End	30137
GI	none	Score	377
Exons	29382..29783, 29513..29731, 29778..30029, 29813..30007, 30060..30137		

Seq. No.	3526	Seq. ID	OJ990802_12.0218.C7
Gene No.	7479	Strand	
Start	28509	End	30137
Name	OJ990802_12.0218.C7.o7.tw	Method	TBLASTX:Wheat
Start	29594	End	29852
GI	none	Score	219
Exons	29594..29818, 29595..29852		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7480	Strand	+

Start	4947	End	9946
Name	OJ990802_12.0218.C8.o2.np	Method	AAT/NAP
Start	4947	End	9581
GI	4680203	Score	3337
Exons	4947..5024, 6278..7944, 8098..8328, 8605..9581		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7480	Strand	+
Start	4947	End	9946
Name	OJ990802_12.0218.C8.o1.gp	Method	AAT/GAP
Start	5821	End	7347
GI	2310235	Score	301
Exons	5821..5858, 6271..6410, 7292..7347		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7480	Strand	+
Start	4947	End	9946
Name	OJ990802_12.0218.C8.o2.gp	Method	AAT/GAP
Start	6275	End	9946
GI	342_1.R1084	Score	6145
Exons	6275..9946		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7481	Strand	-
Start	3061	End	5014
Name	OJ990802_12.0218.C8.o1.np	Method	AAT/NAP
Start	3061	End	5014
GI	4680186	Score	130
Exons	3061..3257, 4994..5014		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7482	Strand	
Start	6608	End	6965
Name	OJ990802_12.0218.C8.o4.tw	Method	TBLASTX:Wheat
Start	6608	End	6965
GI	none	Score	103
Exons	6608..6715, 6622..6729, 6712..6963, 6720..6962, 6723..6965		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7483	Strand	
Start	6894	End	7767
Name	OJ990802_12.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	6894	End	7323
GI	none	Score	98
Exons	6894..6977, 6895..6969, 6970..7032, 7027..7323, 7081..7305		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7483	Strand	
Start	6894	End	7767
Name	OJ990802_12.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	7056	End	7404

GI	none	Score	316
Exons	7056..7208, 7063..7404, 7248..7385		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7483	Strand	
Start	6894	End	7767
Name	OJ990802_12.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	7192	End	7661
GI	none	Score	62
Exons	7192..7245, 7200..7235, 7246..7350, 7257..7346, 7354..7452, 7359..7451, 7432..7656, 7452..7661, 7453..7656, 7455..7661		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7483	Strand	
Start	6894	End	7767
Name	OJ990802_12.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	7237	End	7695
GI	none	Score	247
Exons	7237..7491, 7249..7491, 7501..7695		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7483	Strand	
Start	6894	End	7767
Name	OJ990802_12.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	7525	End	7767
GI	none	Score	216
Exons	7525..7767		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7484	Strand	
Start	7800	End	8210
Name	OJ990802_12.0218.C8.o3.tw	Method	TBLASTX:Wheat
Start	7800	End	8210
GI	none	Score	87
Exons	7800..7850, 7801..7863, 7869..8051, 7873..8091, 8124..8210, 8125..8208		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7485	Strand	
Start	8211	End	9527
Name	OJ990802_12.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	8211	End	9527
GI	none	Score	234
Exons	8211..8627, 8211..8690, 8212..8637, 8537..8656, 8691..9128, 8693..9112, 8796..9113, 9123..9167, 9127..9162, 9170..9265, 9174..9233, 9212..9352, 9213..9353, 9366..9446, 9435..9527		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7485	Strand	
Start	8211	End	9527
Name	OJ990802_12.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	8254	End	8568
GI	none	Score	309
Exons	8254..8568, 8265..8540, 8338..8568		

Seq. No.	3527	Seq. ID	OJ990802_12.0218.C8
Gene No.	7485	Strand	

Start	8211	End	9527
Name	OJ990802_12.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	8495	End	8946
GI	none	Score	84
Exons	8495..8677, 8499..8627, 8499..8690, 8503..8637, 8510..8656, 8691..8945, 8693..8941, 8695..8946, 8796..8945		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7486	Strand	+
Start	269	End	13144
Name	OJ990802_12.0218.C9.o1.gs	Method	GENSCAN
Start	269	End	4901
GI	none	Score	.66
Exons	269..342, 1204..2625, 2700..3799, 3909..4082, 4179..4289, 4374..4446, 4719..4901		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7486	Strand	+
Start	269	End	13144
Name	OJ990802_12.0218.C9.o1.np	Method	AAT/NAP
Start	1189	End	13144
GI	4680204	Score	1085
Exons	1189..2625, 2700..3799, 3909..4082, 4179..4398, 4749..4848, 13107..13144		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7486	Strand	+
Start	269	End	13144
Name	OJ990802_12.0218.C9.o2.gp	Method	AAT/GAP
Start	10674	End	11988
GI	2349_1.R1084	Score	1720
Exons	10674..10906, 11324..11988		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7486	Strand	+
Start	269	End	13144
Name	OJ990802_12.0218.C9.o3.gs	Method	GENSCAN
Start	10727	End	11605
GI	none	Score	1
Exons	10727..10906, 11324..11605		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7487	Strand	+
Start	13617	End	14706
Name	OJ990802_12.0218.C9.o4.gs	Method	GENSCAN
Start	13617	End	14706
GI	none	Score	.76
Exons	13617..13797, 14324..14413, 14645..14706		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7488	Strand	-
Start	5257	End	5350
Name	OJ990802_12.0218.C9.o1.gp	Method	AAT/GAP
Start	5257	End	5350

GI	21474_1.R1084	Score	143
Exons	5257..5350		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7489	Strand	-
Start	13614	End	13736
Name	OJ990802_12.0218.C9.o2.np	Method	AAT/NAP
Start	13614	End	13736
GI	4850407	Score	121
Exons	13614..13736		
GI Descrip.	(AC007357) EST gb|T21221 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7490	Strand	-
Start	19187	End	19854
Name	OJ990802_12.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	1832	End	2235
GI	none	Score	62
Exons	1832..1972, 1832..1948, 1834..2070, 1834..1983, 1935..2075, 2065..2235, 2140..2235		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7490	Strand	-
Start	19187	End	19854
Name	OJ990802_12.0218.C9.o2.tw	Method	TBLASTX:Wheat
Start	2236	End	2912
GI	none	Score	69
Exons	2236..2316, 2557..2628, 2691..2912		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7490	Strand	-
Start	19187	End	19854
Name	OJ990802_12.0218.C9.o3.tw	Method	TBLASTX:Wheat
Start	3726	End	4248
GI	none	Score	61
Exons	3726..3806, 3895..4077, 3945..4070, 4177..4248		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7490	Strand	-
Start	19187	End	19854
Name	OJ990802_12.0218.C9.o3.np	Method	AAT/NAP
Start	17260	End	17621
GI	4680204	Score	86
Exons	17260..17621		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3528	Seq. ID	OJ990802_12.0218.C9
Gene No.	7490	Strand	-
Start	19187	End	19854
Name	OJ990802_12.0218.C9.o5.gs	Method	GENSCAN
Start	19187	End	19854
GI	none	Score	.76
Exons	19187..19261, 19825..19854		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7491	Strand	+
Start	4059	End	5798
Name	OJ990802_12.0218.C11.o2.gs	Method	GENSCAN
Start	4059	End	5798
GI	none	Score	.67
Exons	4059..4116, 4469..4582, 4721..4895, 5149..5188, 5667..5798		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7491	Strand	+
Start	4059	End	5798
Name	OJ990802_12.0218.C11.o2.np	Method	AAT/NAP
Start	4804	End	4926
GI	4850407	Score	100
Exons	4804..4926		
GI Descrip.	(AC007357) EST gb|T21221 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7492	Strand	+
Start	21121	End	23610
Name	OJ990802_12.0218.C11.o5.gs	Method	GENSCAN
Start	21121	End	23610
GI	none	Score	.45
Exons	21121..21128, 22027..22260, 22362..22724, 22817..22942, 22948..23204, 23480..23610		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7493	Strand	+
Start	23979	End	25081
Name	OJ990802_12.0218.C11.o6.gs	Method	GENSCAN
Start	23979	End	25081
GI	none	Score	.47
Exons	23979..24043, 24233..24326, 24914..25081		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7493	Strand	+
Start	23979	End	25081
Name	OJ990802_12.0218.C11.o5.np	Method	AAT/NAP
Start	24111	End	24756
GI	6721561	Score	129
Exons	24111..24201, 24666..24756		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7493	Strand	+
Start	23979	End	25081
Name	OJ990802_12.0218.C11.o1.gp	Method	AAT/GAP
Start	24708	End	24815
GI	uC-osflcyp088b12b1	Score	137
Exons	24708..24815		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7494	Strand	+
Start	25585	End	25839
Name	OJ990802_12.0218.C11.o7.gs	Method	GENSCAN
Start	25585	End	25839
GI	none	Score	.59
Exons	25585..25839		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7495	Strand	-
Start	1448	End	2295
Name	OJ990802_12.0218.C11.o1.np	Method	AAT/NAP
Start	1447	End	1569
GI	4850407	Score	102
Exons	1447..1569		
GI Descrip.	(AC007357) EST gb|T21221 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7495	Strand	-
Start	1448	End	2295
Name	OJ990802_12.0218.C11.o1.gs	Method	GENSCAN
Start	1448	End	2295
GI	none	Score	.98
Exons	1448..1578, 1894..2010, 2238..2295		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7496	Strand	-
Start	21846	End	26668
Name	OJ990802_12.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	15719	End	17047
GI	none	Score	135
Exons	15719..15781, 15735..15866, 15747..15884, 16753..17025, 16816..16950, 16838..17026, 17006..17047		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7496	Strand	-
Start	21846	End	26668
Name	OJ990802_12.0218.C11.o3.np	Method	AAT/NAP
Start	21846	End	24637
GI	6815109	Score	907
Exons	21846..21940, 22081..23264, 24617..24637		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3529	Seq. ID	OJ990802_12.0218.C11
Gene No.	7496	Strand	-
Start	21846	End	26668
Name	OJ990802_12.0218.C11.o4.np	Method	AAT/NAP
Start	23989	End	26668
GI	4680183	Score	124
Exons	23989..24127, 26608..26668		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3530	Seq. ID	OJ990802_12.0218.C12
Gene No.	7497	Strand	+
Start	564	End	5596

Name	OJ990802_12.0218.C12.o1.gs	Method	GENSCAN
Start	564	End	5556
GI	none	Score	.83
Exons	564..673, 2189..2277, 2398..2528, 4051..4260, 5344..5556		

Seq. No.	3530	Seq. ID	OJ990802_12.0218.C12
Gene No.	7497	Strand	+
Start	564	End	5596
Name	OJ990802_12.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	4102	End	5596
GI	none	Score	207
Exons	4102..4260, 4103..4258, 4357..4455, 4365..4457, 5333..5500, 5342..5488, 5347..5508, 5352..5507, 5503..5559, 5507..5596		

Seq. No.	3531	Seq. ID	OJ990802_12.0218.C13
Gene No.	7498	Strand	+
Start	714	End	1126
Name	OJ990802_12.0218.C13.o6.gp	Method	AAT/GAP
Start	714	End	1126
GI	LIB3431-028-P1-N1-A10	Score	659
Exons	714..785, 813..1126		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	3531	Seq. ID	OJ990802_12.0218.C13
Gene No.	7499	Strand	-
Start	14	End	1126
Name	OJ990802_12.0218.C13.o1.gp	Method	AAT/GAP
Start	14	End	1126
GI	342_1.R1084	Score	1700
Exons	14..669, 705..1126		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3531	Seq. ID	OJ990802_12.0218.C13
Gene No.	7499	Strand	-
Start	14	End	1126
Name	OJ990802_12.0218.C13.o1.np	Method	AAT/NAP
Start	798	End	1126
GI	4680203	Score	207
Exons	798..1126		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3532	Seq. ID	OJ990802_12.0218.C15
Gene No.	7500	Strand	+
Start	1	End	196
Name	OJ990802_12.0218.C15.o1.np	Method	AAT/NAP
Start	1	End	196
GI	5922628	Score	116
Exons	1..196		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3533	Seq. ID	OJ990802_12.0218.C18
Gene No.	7501	Strand	-
Start	1	End	370

Name	OJ990802_12.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	370
GI	5454198	Score	204
Exons	1..370		
GI Descrip.	(AC005698) T3P18.12 [Arabidopsis thaliana]		

Seq. No.	3533	Seq. ID	OJ990802_12.0218.C18
Gene No.	7501	Strand	-
Start	1	End	370
Name	OJ990802_12.0218.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	352
GI	none	Score	55
Exons	2..61, 2..70, 3..74, 83..352, 84..230, 221..352		

Seq. No.	3533	Seq. ID	OJ990802_12.0218.C18
Gene No.	7501	Strand	-
Start	1	End	370
Name	OJ990802_12.0218.C18.o1.tc	Method	TBLASTX:Cress
Start	11	End	334
GI	none	Score	125
Exons	11..61, 101..175, 218..334		

Seq. No.	3533	Seq. ID	OJ990802_12.0218.C18
Gene No.	7501	Strand	-
Start	1	End	370
Name	OJ990802_12.0218.C18.o1.gs	Method	GENSCAN
Start	24	End	352
GI	none	Score	1
Exons	24..352		

Seq. No.	3533	Seq. ID	OJ990802_12.0218.C18
Gene No.	7501	Strand	-
Start	1	End	370
Name	OJ990802_12.0218.C18.o1.ts	Method	TBLASTX:Soybean
Start	77	End	340
GI	none	Score	65
Exons	77..175, 99..176, 185..340, 224..340		

Seq. No.	3534	Seq. ID	OJ990802_12.0218.C19
Gene No.	7502	Strand	+
Start	115	End	292
Name	OJ990802_12.0218.C19.o1.gs	Method	GENSCAN
Start	115	End	292
GI	none	Score	.89
Exons	115..173, 256..292		

Seq. No.	3535	Seq. ID	OJ990802_12.0218.C21
Gene No.	7503	Strand	+
Start	286	End	502
Name	OJ990802_12.0218.C21.o2.gp	Method	AAT/GAP
Start	286	End	502
GI	none	Score	426
Exons	286..502		

Seq. No.	3535	Seq. ID	OJ990802_12.0218.C21
Gene No.	7504	Strand	-
Start	1	End	57

Name	OJ990802_12.0218.C21.o1.gp	Method	AAT/GAP
Start	1	End	57
GI	none	Score	114
Exons	1..57		

Seq. No.	3535	Seq. ID	OJ990802_12.0218.C21
Gene No.	7505	Strand	-
Start	15	End	496
Name	OJ990802_12.0218.C21.o1.gs	Method	GENSCAN
Start	15	End	496
GI	none	Score	.64
Exons	15..92, 289..340, 429..496		

Seq. No.	3536	Seq. ID	OJ990802_12.0218.C27
Gene No.	7506	Strand	+
Start	297	End	418
Name	OJ990802_12.0218.C27.o1.tm	Method	TBLASTX:Maize
Start	216	End	418
GI	none	Score	164
Exons	216..416, 231..416, 250..417, 251..418		

Seq. No.	3536	Seq. ID	OJ990802_12.0218.C27
Gene No.	7506	Strand	+
Start	297	End	418
Name	OJ990802_12.0218.C27.o1.gs	Method	GENSCAN
Start	297	End	417
GI	none	Score	.71
Exons	297..417		

Seq. No.	3537	Seq. ID	OJ990802_12.0218.C29
Gene No.	7507	Strand	+
Start	83	End	205
Name	OJ990802_12.0218.C29.o1.gs	Method	GENSCAN
Start	83	End	205
GI	none	Score	1
Exons	83..205		

Seq. No.	3538	Seq. ID	OJ990802_12.0218.C31
Gene No.	7508	Strand	+
Start	926	End	1262
Name	OJ990802_12.0218.C31.o1.gp	Method	AAT/GAP
Start	926	End	1262
GI	uC-osroM202028e12b1	Score	662
Exons	926..1262		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 7.0e-21 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	3538	Seq. ID	OJ990802_12.0218.C31
Gene No.	7509	Strand	-
Start	230	End	1587
Name	OJ990802_12.0218.C31.o1.np	Method	AAT/NAP
Start	230	End	1587
GI	5454199	Score	272
Exons	230..282, 1149..1587		
GI Descrip.	(AC005698) T3P18.13 [Arabidopsis thaliana]		

Seq. No.	3538	Seq. ID	OJ990802_12.0218.C31
Gene No.	7509	Strand	-
Start	230	End	1587
Name	OJ990802_12.0218.C31.o1.gs	Method	GENSCAN
Start	1108	End	1491
GI	none	Score	1
Exons	1108..1491		

Seq. No.	3538	Seq. ID	OJ990802_12.0218.C31
Gene No.	7509	Strand	-
Start	230	End	1587
Name	OJ990802_12.0218.C31.o1.tc	Method	TBLASTX:Cress
Start	1162	End	1534
GI	none	Score	105
Exons	1162..1302, 1327..1533, 1334..1534		

Seq. No.	3538	Seq. ID	OJ990802_12.0218.C31
Gene No.	7509	Strand	-
Start	230	End	1587
Name	OJ990802_12.0218.C31.o1.tm	Method	TBLASTX:Maize
Start	1162	End	1584
GI	none	Score	157
Exons	1162..1584, 1334..1582		

Seq. No.	3538	Seq. ID	OJ990802_12.0218.C31
Gene No.	7509	Strand	-
Start	230	End	1587
Name	OJ990802_12.0218.C31.o1.ts	Method	TBLASTX:Soybean
Start	1183	End	1585
GI	none	Score	155
Exons	1183..1281, 1324..1584, 1343..1585		

Seq. No.	3539	Seq. ID	OJ990802_12.0218.C33
Gene No.	7510	Strand	-
Start	289	End	355
Name	OJ990802_12.0218.C33.o1.gs	Method	GENSCAN
Start	289	End	355
GI	none	Score	.7
Exons	289..355		

Seq. No.	3540	Seq. ID	OJ990802_12.0218.C36
Gene No.	7511	Strand	+
Start	1	End	619
Name	OJ990802_12.0218.C36.o1.np	Method	AAT/NAP
Start	1	End	619
GI	5852178	Score	245
Exons	1..161, 524..619		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	3540	Seq. ID	OJ990802_12.0218.C36
Gene No.	7512	Strand	-
Start	52	End	296
Name	OJ990802_12.0218.C36.o1.gs	Method	GENSCAN
Start	52	End	296
GI	none	Score	.95
Exons	52..296		

Seq. No.	3541	Seq. ID	OJ990802_12.0218.C37
Gene No.	7513	Strand	-
Start	680	End	1237
Name	OJ990802_12.0218.C37.o1.np	Method	AAT/NAP
Start	597	End	1237
GI	6633841	Score	323
Exons	597..1237		
GI Descrip.	(AC008047) F2K11.25 [Arabidopsis thaliana]		

Seq. No.	3541	Seq. ID	OJ990802_12.0218.C37
Gene No.	7513	Strand	-
Start	680	End	1237
Name	OJ990802_12.0218.C37.o1.gs	Method	GENSCAN
Start	680	End	1189
GI	none	Score	.99
Exons	680..1189		

Seq. No.	3541	Seq. ID	OJ990802_12.0218.C37
Gene No.	7513	Strand	-
Start	680	End	1237
Name	OJ990802_12.0218.C37.o1.tc	Method	TBLASTX:Cress
Start	770	End	1142
GI	none	Score	129
Exons	770..889, 932..1141, 939..1142		

Seq. No.	3541	Seq. ID	OJ990802_12.0218.C37
Gene No.	7513	Strand	-
Start	680	End	1237
Name	OJ990802_12.0218.C37.o1.tm	Method	TBLASTX:Maize
Start	770	End	1237
GI	none	Score	183
Exons	770..1237, 939..1214		

Seq. No.	3541	Seq. ID	OJ990802_12.0218.C37
Gene No.	7513	Strand	-
Start	680	End	1237
Name	OJ990802_12.0218.C37.o1.ts	Method	TBLASTX:Soybean
Start	788	End	1237
GI	none	Score	185
Exons	788..886, 929..1237, 948..1235		

Seq. No.	3542	Seq. ID	OJ990802_12.0218.C43
Gene No.	7514	Strand	-
Start	410	End	696
Name	OJ990802_12.0218.C43.o1.gs	Method	GENSCAN
Start	410	End	660
GI	none	Score	.84
Exons	410..596, 617..660		

Seq. No.	3542	Seq. ID	OJ990802_12.0218.C43
Gene No.	7514	Strand	-
Start	410	End	696
Name	OJ990802_12.0218.C43.o1.gp	Method	AAT/GAP
Start	503	End	696
GI	1296_1.R1084	Score	324
Exons	503..696		
GI Descrip.	'6015437/dbj|AB008112:1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA,		

complete cds'

Seq. No.	3543	Seq. ID	OJ990802_12.0218.C44
Gene No.	7515	Strand	-
Start	951	End	2048
Name	OJ990802_12.0218.C44.o1.gs	Method	GENSCAN
Start	951	End	2048
GI	none	Score	.89
Exons	951..1108, 1199..1282, 1912..2048		

Seq. No.	3544	Seq. ID	OJ990802_12.0218.C46
Gene No.	7516	Strand	+
Start	224	End	404
Name	OJ990802_12.0218.C46.o1.ts	Method	TBLASTX:Soybean
Start	200	End	358
GI	none	Score	233
Exons	200..358, 217..354		

Seq. No.	3544	Seq. ID	OJ990802_12.0218.C46
Gene No.	7516	Strand	+
Start	224	End	404
Name	OJ990802_12.0218.C46.o1.np	Method	AAT/NAP
Start	224	End	404
GI	2275204	Score	155
Exons	224..342, 380..404		
GI Descrip.	(AC002337) putative WRKY-type DNA binding protein [Arabidopsis thaliana]		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7517	Strand	+
Start	7396	End	8842
Name	OJ990402_30.9819.C1.o3.np	Method	AAT/NAP
Start	7396	End	8842
GI	6907088	Score	1018
Exons	7396..7533, 7712..7950, 8448..8842		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7518	Strand	-
Start	429	End	6258
Name	OJ990402_30.9819.C1.o1.np	Method	AAT/NAP
Start	429	End	6019
GI	4680179	Score	4484
Exons	429..3830, 3933..4804, 5893..6019		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7518	Strand	-
Start	429	End	6258
Name	OJ990402_30.9819.C1.o2.np	Method	AAT/NAP
Start	5477	End	6258
GI	6002794	Score	1261
Exons	5477..6258		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-

Start	7240	End	9867
Name	OJ990402_30.9819.C1.o6.tw	Method	TBLASTX:Wheat
Start	476	End	789
GI	none	Score	153
Exons	476..766, 494..766, 766..789		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o8.tm	Method	TBLASTX:Maize
Start	488	End	646
GI	none	Score	60
Exons	488..646, 525..614		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	654	End	1237
GI	none	Score	37
Exons	654..704, 656..751, 656..763, 766..1077, 782..859, 808..957, 896..1078, 935..1078, 996..1079, 1075..1233, 1082..1228, 1085..1237		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	790	End	1416
GI	none	Score	266
Exons	790..1416, 914..1360		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	1285	End	1577
GI	none	Score	226
Exons	1285..1575, 1289..1564, 1443..1577		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	1375	End	1630
GI	none	Score	189
Exons	1375..1623, 1376..1630		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	1399	End	1716
GI	none	Score	91
Exons	1399..1542, 1415..1540, 1543..1716, 1597..1695		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1

Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	1423	End	1947
GI	none	Score	248
Exons	1423..1947, 1427..1795		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	1990	End	2345
GI	none	Score	219
Exons	1990..2343, 2042..2341, 2118..2345		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	1990	End	2416
GI	none	Score	118
Exons	1990..2415, 1992..2354, 2005..2358, 2027..2416		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	2164	End	2409
GI	none	Score	203
Exons	2164..2409		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	2350	End	2697
GI	none	Score	292
Exons	2350..2697		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o5.tw	Method	TBLASTX:Wheat
Start	2422	End	2718
GI	none	Score	162
Exons	2422..2718, 2459..2668		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	2431	End	2826
GI	none	Score	132
Exons	2431..2790, 2459..2659, 2482..2790, 2714..2809, 2794..2826, 2794..2826		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1

Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	2713	End	3180
GI	none	Score	130
Exons	2713..3180, 2750..3109		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o4.tw	Method	TBLASTX:Wheat
Start	2767	End	3249
GI	none	Score	159
Exons	2767..3249, 2776..3222, 2795..3241		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o9.tm	Method	TBLASTX:Maize
Start	3181	End	3378
GI	none	Score	112
Exons	3181..3378, 3182..3328		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o7.tw	Method	TBLASTX:Wheat
Start	3397	End	3796
GI	none	Score	84
Exons	3397..3561, 3446..3565, 3574..3795, 3641..3796		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o7.tm	Method	TBLASTX:Maize
Start	3476	End	3801
GI	none	Score	44
Exons	3476..3559, 3478..3801, 3661..3795		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o6.tm	Method	TBLASTX:Maize
Start	4107	End	4508
GI	none	Score	236
Exons	4107..4508		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-
Start	7240	End	9867
Name	OJ990402_30.9819.C1.o8.tw	Method	TBLASTX:Wheat
Start	4389	End	4766
GI	none	Score	60
Exons	4389..4766, 4648..4749		

Seq. No.	3545	Seq. ID	OJ990402_30.9819.C1
Gene No.	7519	Strand	-

Start	7240	End	9867
Name	OJ990402_30.9819.C1.o4.np	Method	AAT/NAP
Start	7240	End	9867
GI	5777623	Score	832
Exons	7240..7306, 7670..7926, 8750..9257, 9437..9578, 9823..9867		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	3546	Seq. ID	OJ990402_30.9819.C2
Gene No.	7520	Strand	-
Start	1	End	1363
Name	OJ990402_30.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	1363
GI	6069653	Score	490
Exons	1..19, 584..659, 730..1363		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	3546	Seq. ID	OJ990402_30.9819.C2
Gene No.	7520	Strand	-
Start	1	End	1363
Name	OJ990402_30.9819.C2.o1.gs	Method	GENSCAN
Start	788	End	1202
GI	none	Score	.93
Exons	788..1202		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7521	Strand	+
Start	1131	End	2542
Name	OJ990402_30.9819.C3.o1.gs	Method	GENSCAN
Start	1131	End	2542
GI	none	Score	.57
Exons	1131..1227, 2466..2542		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7521	Strand	+
Start	1131	End	2542
Name	OJ990402_30.9819.C3.o1.gp	Method	AAT/GAP
Start	2090	End	2176
GI	3760640	Score	90
Exons	2090..2176		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7522	Strand	+
Start	4499	End	6300
Name	OJ990402_30.9819.C3.o2.np	Method	AAT/NAP
Start	4481	End	6062
GI	100654	Score	2158
Exons	4481..4588, 4689..4821, 4911..5722, 5814..6062		
GI Descrip.	alpha-amylase (EC 3.2.1.1) precursor (clone pOS103) - rice gi|169753 (M24286) alpha-amylase (EC 3.2.1.1) [Oryza sativa]		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7522	Strand	+
Start	4499	End	6300
Name	OJ990402_30.9819.C3.o3.gs	Method	GENSCAN
Start	4499	End	6065

GI	none	Score	.99
Exons	4499..4588, 4689..4821, 4911..5722, 5814..6065		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7522	Strand	+
Start	4499	End	6300
Name	OJ990402_30.9819.C3.o2.gp	Method	AAT/GAP
Start	4678	End	6239
GI	394_4.R1084	Score	2268
Exons	4678..4821, 4911..5722, 5814..6239		
GI Descrip.	'100654/pir||S12775 0.0e+00 alpha-amylase (EC 3.2.1.1) precursor (clone pOS103) - rice >gi_169753 (M24286) alpha-amylase (EC 3.2.1.1) [Oryza sativa]'		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7522	Strand	+
Start	4499	End	6300
Name	OJ990402_30.9819.C3.o3.gp	Method	AAT/GAP
Start	5190	End	6300
GI	394_9.R1084	Score	1546
Exons	5190..5722, 5814..6300		
GI Descrip.	'113683/sp|P27934|AM3E_ORYSA 1.0e-117 ALPHA-AMYLASE ISOZYME 3E PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) >gi_100663_pir__JT0946 alpha-amylase 3E - rice >gi_169773 (M59352) alpha-amylase [Oryza sativa]'		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7523	Strand	-
Start	777	End	4245
Name	OJ990402_30.9819.C3.o1.np	Method	AAT/NAP
Start	777	End	3721
GI	4680186	Score	179
Exons	777..821, 1417..1554, 2176..2337, 3703..3721		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7523	Strand	-
Start	777	End	4245
Name	OJ990402_30.9819.C3.o2.gs	Method	GENSCAN
Start	3493	End	4245
GI	none	Score	.54
Exons	3493..3866, 4152..4245		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	4677	End	11227
GI	none	Score	198
Exons	4677..4823, 4691..4822, 4906..5058, 4910..5065, 10834..10998, 10841..10999, 11081..11227, 11082..11210		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	4677	End	11227

GI	none	Score	224
Exons	4677..4823, 4686..4751, 4688..4864, 4904..5020, 4909..5133, 4910..5143, 5147..5470, 5179..5469, 5482..5721, 5483..5722, 5507..5734, 5807..5986, 5812..5853, 5814..6059, 5814..6056, 5960..6058, 9821..10090, 9843..10025, 9847..10092, 9850..10092, 10163..10417, 10176..10247, 10177..10416, 10429..10761, 10430..10720, 10756..10998, 10766..10999, 11068..11217, 11081..11227, 11082..11216		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	4677	End	11227
GI	none	Score	57
Exons	4677..4736, 4713..4823, 4715..4822, 4900..5133, 4910..5143, 5147..5389, 5194..5217, 5275..5376, 5452..5715, 5453..5722, 5813..5890, 5814..6056, 5969..6055, 9850..10092, 9851..10093, 10177..10446, 10184..10447, 10510..10761, 10523..10624, 10682..10711, 10756..10989, 10766..10993, 11081..11191, 11082..11189, 11183..11227		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o3.tc	Method	TBLASTX:Cress
Start	5156	End	10743
GI	none	Score	232
Exons	5156..5404, 5287..5370, 5411..5467, 10432..10488, 10495..10743, 10529..10612		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o2.tc	Method	TBLASTX:Cress
Start	5537	End	10362
GI	none	Score	249
Exons	5537..5722, 5572..5715, 5814..5849, 5841..5981, 9925..10056, 9926..10057, 10166..10327, 10177..10362		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o4.gs	Method	GENSCAN
Start	6473	End	11431
GI	none	Score	.81
Exons	6473..6564, 6917..6962, 7073..7356, 9873..10092, 10177..10988, 11083..11215, 11324..11431		

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o4.gp	Method	AAT/GAP
Start	9625	End	11464
GI	394_4.R1084	Score	3035
Exons	9625..10092, 10177..10988, 11083..11215, 11324..11464		
GI Descrip.	'100654/pir||S12775 0.0e+00 alpha-amylase (EC 3.2.1.1) precursor		

(clone pOS103) - rice >gi_169753 (M24286) alpha-amylase (EC 3.2.1.1) [Oryza sativa]'

Seq. No.	3547	Seq. ID	OJ990402_30.9819.C3
Gene No.	7524	Strand	-
Start	6473	End	11464
Name	OJ990402_30.9819.C3.o3.np	Method	AAT/NAP
Start	9844	End	11431
GI	100654	Score	2280
Exons	9844..10092, 10177..10988, 11083..11215, 11324..11431		
GI Descrip.	alpha-amylase (EC 3.2.1.1) precursor (clone pOS103) - rice gi|169753 (M24286) alpha-amylase (EC 3.2.1.1) [Oryza sativa]		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7525	Strand	+
Start	118	End	974
Name	OJ990402_30.9819.C4.o1.gs	Method	GENSCAN
Start	118	End	974
GI	none	Score	.5
Exons	118..196, 901..974		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7526	Strand	-
Start	1434	End	2097
Name	OJ990402_30.9819.C4.o2.gs	Method	GENSCAN
Start	1434	End	2097
GI	none	Score	.91
Exons	1434..1515, 1626..1725, 1815..1875, 1972..2097		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	1398	End	2100
GI	none	Score	94
Exons	1398..1517, 1435..1524, 1614..1715, 1628..1714, 1813..1887, 1814..1876, 1969..2085, 1972..2100		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	1434	End	2097
GI	none	Score	108
Exons	1434..1517, 1435..1524, 1614..1715, 1628..1714, 1810..1887, 1814..1876, 1972..2097, 1976..2080		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	1435	End	2109
GI	none	Score	104
Exons	1435..1515, 1437..1517, 1628..1726, 1629..1784, 1654..1728, 1813..1887, 1814..1876, 1816..1878, 1966..2097, 1967..2104, 1972..2109		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o1.gp	Method	AAT/GAP
Start	2364	End	5448
GI	514_1.R1084	Score	3614
Exons	2364..3297, 3381..3669, 3764..4115, 4989..5448		
GI Descrip.	'2130072/pir||JC4395 0.0e+00 ferredoxin--nitrite reductase (EC 1.7.7.1) - rice >gi_809514_dbj_BAA09122_ (D50556) ferredoxin-nitrite reductase [Oryza sativa]'		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o3.gs	Method	GENSCAN
Start	2560	End	6008
GI	none	Score	.84
Exons	2560..3297, 3381..3669, 3764..4115, 4989..5154, 5221..5537, 5990..6008		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o1.np	Method	AAT/NAP
Start	2563	End	5397
GI	2130072	Score	2841
Exons	2563..3297, 3381..3669, 3764..4115, 4989..5397		
GI Descrip.	ferredoxin--nitrite reductase (EC 1.7.7.1) - rice gi|809514|dbj|BAA09122| (D50556) ferredoxin-nitrite reductase [Oryza sativa]		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	2590	End	5295
GI	none	Score	316
Exons	2590..2985, 2591..2971, 2977..3297, 3031..3294, 3161..3298, 3381..3533, 3381..3668, 3382..3669, 3763..3816, 3808..4113, 3809..4114, 3943..4116, 4988..5188, 4990..5193, 5203..5295		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	2590	End	5387
GI	none	Score	353
Exons	2590..2976, 2591..2974, 2977..3309, 2998..3309, 3161..3310, 3381..3506, 3381..3668, 3382..3669, 3806..4114, 3808..4113, 3907..4116, 4994..5194, 4996..5193, 5203..5286, 5346..5387		

Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2705	End	5467
GI	none	Score	.363

Exons	2705..2974, 2707..2979, 2974..3297, 2998..3315, 3354..3686, 3366..3536, 3376..3669, 3763..3816, 3764..3811, 3808..4113, 3809..4144, 4938..5027, 4982..5128, 4990..5259, 4994..5212, 5345..5461, 5346..5420, 5438..5467, 5444..5467		
Seq. No.	3548	Seq. ID	OJ990402_30.9819.C4
Gene No.	7527	Strand	-
Start	2364	End	6008
Name	OJ990402_30.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	3982	End	5301
GI	none	Score	203
Exons	3982..4113, 3983..4144, 4929..5033, 4979..5128, 4990..5277, 4994..5215, 5269..5301		
Seq. No.	3549	Seq. ID	OJ990402_30.9819.C5
Gene No.	7528	Strand	-
Start	2215	End	7777
Name	OJ990402_30.9819.C5.o1.gp	Method	AAT/GAP
Start	2215	End	7665
GI	4722_1.R1084	Score	1124
Exons	2215..2638, 3118..3232, 7586..7665		
GI Descrip.	'6014934/sp|Q42463|DCL_LYCES 4.0e-55 DCL PROTEIN, CHLOROPLAST PRECURSOR (DEFECTIVE CHLOROPLASTS AND LEAVES PROTEIN) >gi_1305531 (U55219) defective chloroplasts and leaves; required for chloroplast development and palisade cell differentiation in leaves [Lycopersicon esculentum] >gi_1323698 (U55278) DCL [Solanum lycopersicum]'		
Seq. No.	3549	Seq. ID	OJ990402_30.9819.C5
Gene No.	7528	Strand	-
Start	2215	End	7777
Name	OJ990402_30.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	2440	End	7623
GI	none	Score	205
Exons	2440..2640, 2441..2638, 2451..2639, 2468..2644, 3114..3242, 3115..3243, 3115..3234, 3116..3247, 3117..3242, 7585..7623		
Seq. No.	3549	Seq. ID	OJ990402_30.9819.C5
Gene No.	7528	Strand	-
Start	2215	End	7777
Name	OJ990402_30.9819.C5.o1.np	Method	AAT/NAP
Start	2465	End	7777
GI	6014934	Score	484
Exons	2465..2638, 3118..3232, 7586..7777		
GI Descrip.	DCL PROTEIN, CHLOROPLAST PRECURSOR (DEFECTIVE CHLOROPLASTS AND LEAVES PROTEIN) gi|1305531 (U55219) defective chloroplasts and leaves; required for chloroplast development and palisade cell differentiation in leaves [Lycopersicon esculentum] gi|1323698 (U55278) DCL [Solanum lycopersicum]		
Seq. No.	3549	Seq. ID	OJ990402_30.9819.C5
Gene No.	7528	Strand	-
Start	2215	End	7777
Name	OJ990402_30.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	2465	End	3207
GI	none	Score	179
Exons	2465..2644, 2481..2639, 2481..2651, 2482..2640, 3088..3207,		

3116..3205

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7529	Strand	+
Start	1440	End	5711
Name	OJ990402_30.9819.C6.o1.gs	Method	GENSCAN
Start	1440	End	5711
GI	none	Score	.4
Exons	1440..1493, 1983..2229, 4782..5106, 5609..5711		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7530	Strand	+
Start	6238	End	6933
Name	OJ990402_30.9819.C6.o1.gp	Method	AAT/GAP
Start	6143	End	6440
GI	20139_1.R1084	Score	514
Exons	6143..6440		
GI Descrip.	'3297823/emb|CAA19881.1| 9.0e-09 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7530	Strand	+
Start	6238	End	6933
Name	OJ990402_30.9819.C6.o2.gs	Method	GENSCAN
Start	6238	End	6933
GI	none	Score	.83
Exons	6238..6562, 6854..6933		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7531	Strand	+
Start	14717	End	15346
Name	OJ990402_30.9819.C6.o4.gs	Method	GENSCAN
Start	14717	End	15346
GI	none	Score	.96
Exons	14717..15346		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7532	Strand	+
Start	24246	End	31495
Name	OJ990402_30.9819.C6.o7.gs	Method	GENSCAN
Start	24246	End	31495
GI	none	Score	.47
Exons	24246..24316, 24375..24508, 25692..25880, 27459..27715, 27810..28100, 28740..29076, 29528..29722, 31044..31495		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7532	Strand	+
Start	24246	End	31495
Name	OJ990402_30.9819.C6.o5.gp	Method	AAT/GAP
Start	28965	End	29588
GI	none	Score	257
Exons	28965..29076, 29528..29588		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7532	Strand	+
Start	24246	End	31495
Name	OJ990402_30.9819.C6.o6.gp	Method	AAT/GAP

Start	30432	End	31310
GI	none	Score	1107
Exons	30432..30594, 30880..31310		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7533	Strand	+
Start	31841	End	32563
Name	OJ990402_30.9819.C6.o7.gp	Method	AAT/GAP
Start	31841	End	32563
GI	none	Score	1376
Exons	31841..32563		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7534	Strand	-
Start	6483	End	7207
Name	OJ990402_30.9819.C6.o2.gp	Method	AAT/GAP
Start	6483	End	7207
GI	none	Score	787
Exons	6483..6560, 6851..7207		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7535	Strand	-
Start	7428	End	13447
Name	OJ990402_30.9819.C6.o3.gs	Method	GENSCAN
Start	7428	End	13290
GI	none	Score	.53
Exons	7428..7517, 7613..7702, 7711..7848, 10911..10940, 12015..12086, 12550..13290		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7535	Strand	-
Start	7428	End	13447
Name	OJ990402_30.9819.C6.o3.gp	Method	AAT/GAP
Start	8695	End	9090
GI	4715386	Score	720
Exons	8695..9090		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7535	Strand	-
Start	7428	End	13447
Name	OJ990402_30.9819.C6.o1.np	Method	AAT/NAP
Start	9278	End	13447
GI	6739274	Score	381
Exons	9278..9348, 11980..12086, 12550..13447		
GI Descrip.	(AF093544) abscisic acid responsive elements-binding factor [Arabidopsis thaliana]		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7536	Strand	-
Start	13405	End	13726
Name	OJ990402_30.9819.C6.o4.gp	Method	AAT/GAP
Start	13405	End	13726
GI	none	Score	620
Exons	13405..13726		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7537	Strand	-

Start	16060	End	17691
Name	OJ990402_30.9819.C6.o2.np	Method	AAT/NAP
Start	16040	End	17664
GI	6630540	Score	851
Exons	16040..16420, 16503..16699, 16806..16928, 17054..17249, 17338..17664		
GI Descrip.	(AC011708) putative (1-4)-beta-mannan endohydrolase [Arabidopsis thaliana]		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7537	Strand	-
Start	16060	End	17691
Name	OJ990402_30.9819.C6.o5.gs	Method	GENSCAN
Start	16060	End	17691
GI	none	Score	.75
Exons	16060..16420, 16503..16699, 16806..16962, 17155..17249, 17338..17691		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7538	Strand	-
Start	18527	End	24093
Name	OJ990402_30.9819.C6.o6.gs	Method	GENSCAN
Start	18527	End	24093
GI	none	Score	.68
Exons	18527..18555, 19162..19237, 19518..19616, 19761..19842, 20990..21347, 22328..22507, 22973..23104, 23195..23299, 23386..23494, 23959..24093		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7538	Strand	-
Start	18527	End	24093
Name	OJ990402_30.9819.C6.o3.np	Method	AAT/NAP
Start	18968	End	22952
GI	4006876	Score	280
Exons	18968..19100, 19503..19616, 19761..19842, 20990..21320, 22361..22952		
GI Descrip.	(Z99707) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7539	Strand	-
Start	32850	End	33288
Name	OJ990402_30.9819.C6.o8.gs	Method	GENSCAN
Start	32850	End	33288
GI	none	Score	.69
Exons	32850..33101, 33235..33288		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7540	Strand	-
Start	33705	End	35967
Name	OJ990402_30.9819.C6.o9.gs	Method	GENSCAN
Start	33705	End	35967
GI	none	Score	.95
Exons	33705..34351, 34690..34723, 34818..35011, 35628..35967		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7541	Strand	-
Start	43013	End	44231

Name	OJ990402_30.9819.C6.o11.gs	Method	GENSCAN
Start	43013	End	44173
GI	none	Score	.98
Exons	43013..43225, 43318..43645, 43719..44173		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7541	Strand	-
Start	43013	End	44231
Name	OJ990402_30.9819.C6.o5.np	Method	AAT/NAP
Start	43016	End	44179
GI	4126403	Score	1009
Exons	43016..43225, 43318..43645, 43719..44179		
GI Descrip.	(AB011796) flavonol synthase [Citrus unshiu]		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7541	Strand	-
Start	43013	End	44231
Name	OJ990402_30.9819.C6.o8.gp	Method	AAT/GAP
Start	43785	End	44231
GI	uC-osflcyp034a05b1	Score	851
Exons	43785..44231		
GI Descrip.	'4126403/dbj|BAA36554| 2.0e-22 (AB011796) flavonol synthase [Citrus unshiu]'		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o15.tm	Method	TBLASTX:Maize
Start	4764	End	4970
GI	none	Score	207
Exons	4764..4970		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o8.tm	Method	TBLASTX:Maize
Start	6164	End	6918
GI	none	Score	116
Exons	6164..6226, 6165..6236, 6265..6372, 6283..6345, 6355..6420, 6369..6419, 6498..6563, 6518..6574, 6852..6914, 6853..6918		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o12.tm	Method	TBLASTX:Maize
Start	12008	End	12842
GI	none	Score	120
Exons	12008..12091, 12012..12104, 12542..12748, 12549..12734, 12550..12747, 12703..12819, 12768..12842		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o14.tm	Method	TBLASTX:Maize
Start	13087	End	13437
GI	none	Score	77
Exons	13087..13161, 13094..13159, 13252..13323, 13253..13330,		

13315..13398, 13319..13399, 13414..13437

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	16072	End	16931
GI	none	Score	124
Exons	16072..16410, 16136..16411, 16502..16576, 16509..16577, 16616..16705, 16806..16931, 16810..16920		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	16081	End	17599
GI	none	Score	144
Exons	16081..16419, 16097..16420, 16493..16594, 16503..16595, 16610..16705, 16613..16702, 16795..16929, 16806..16931, 17037..17102, 17051..17101, 17097..17261, 17098..17253, 17341..17586, 17363..17599		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	16499	End	16932
GI	none	Score	87
Exons	16499..16579, 16610..16705, 16806..16931, 16810..16932		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	16502	End	16902
GI	none	Score	45
Exons	16502..16576, 16509..16577, 16610..16708, 16616..16705, 16806..16895, 16806..16901, 16813..16902		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	17139	End	17580
GI	none	Score	62
Exons	17139..17276, 17142..17252, 17329..17580, 17336..17563		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o10.tm	Method	TBLASTX:Maize
Start	17157	End	17602
GI	none	Score	69
Exons	17157..17252, 17158..17250, 17341..17400, 17341..17394, 17389..17577, 17390..17602		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6

Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	19396	End	19841
GI	none	Score	70
Exons	19396..19470, 19398..19481, 19440..19520, 19461..19514, 19489..19551, 19494..19553, 19538..19630, 19540..19629, 19754..19798, 19788..19841, 19795..19839		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o9.tm	Method	TBLASTX:Maize
Start	19404	End	19634
GI	none	Score	261
Exons	19404..19619, 19405..19632, 19407..19634, 19411..19629		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o7.tm	Method	TBLASTX:Maize
Start	20979	End	21285
GI	none	Score	189
Exons	20979..21146, 20980..21246, 20983..21246, 21054..21263, 21244..21285, 21244..21285		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	22331	End	22699
GI	none	Score	308
Exons	22331..22699, 22335..22439, 22337..22693, 22497..22697, 22576..22698		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o6.ts	Method	TBLASTX:Soybean
Start	22623	End	22916
GI	none	Score	139
Exons	22623..22664, 22662..22784, 22672..22785, 22824..22853, 22828..22854, 22887..22916		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	27445	End	28000
GI	none	Score	70
Exons	27445..27495, 27447..27494, 27527..27718, 27568..27717, 27634..27726, 27807..27998, 27872..28000, 27872..28000		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o5.tc	Method	TBLASTX:Cress

Start	27566	End	27956
GI	none	Score	124
Exons	27566..27715, 27568..27711, 27807..27956		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o4.ts	Method	TBLASTX:Soybean
Start	27921	End	29078
GI	none	Score	178
Exons	27921..28100, 27929..28093, 28715..28915, 28731..29006, 28739..29002, 28980..29078, 28985..29041		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	28775	End	29075
GI	none	Score	460
Exons	28775..29074, 28776..29075		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o5.ts	Method	TBLASTX:Soybean
Start	31240	End	31997
GI	none	Score	49
Exons	31240..31362, 31307..31432, 31536..31607, 31541..31600, 31635..31661, 31728..31853, 31785..31853, 31862..31996, 31875..31997		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o11.tm	Method	TBLASTX:Maize
Start	31838	End	32015
GI	none	Score	103
Exons	31838..32008, 31838..32008, 31839..32009, 31839..32015		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	32859	End	34361
GI	none	Score	71
Exons	32859..32903, 32860..33102, 32958..33104, 33720..33773, 33766..34014, 33786..34088, 34146..34361, 34147..34269		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	32868	End	34892
GI	none	Score	55
Exons	32868..32906, 32970..33092, 33726..33773, 33780..33836, 33789..33833, 33840..34091, 33888..34094, 33892..34092, 34143..34292, 34143..34352, 34144..34365, 34791..34892		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	32878	End	35791
GI	none	Score	108
Exons	32878..33096, 32961..33107, 33729..33962, 33729..34091, 33889..34092, 34131..34352, 34138..34374, 34791..34931, 34902..35012, 35644..35787, 35663..35791		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	43016	End	44122
GI	none	Score	34
Exons	43016..43102, 43020..43091, 43151..43237, 43152..43232, 43310..43507, 43321..43647, 43718..43987, 43731..43976, 44066..44122		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	43022	End	43909
GI	none	Score	63
Exons	43022..43099, 43151..43228, 43152..43220, 43318..43647, 43328..43522, 43718..43909		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	43022	End	44122
GI	none	Score	65
Exons	43022..43099, 43151..43237, 43152..43265, 43310..43522, 43315..43647, 43718..43987, 43719..43964, 44078..44122		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o13.tm	Method	TBLASTX:Maize
Start	43910	End	44159
GI	none	Score	191
Exons	43910..44122, 43914..44159		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o9.gp	Method	AAT/GAP
Start	45056	End	45557
GI	15443_1.R1084	Score	913
Exons	45056..45557		
GI Descrip.	'3047096 6.0e-21 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]'		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o12.gs	Method	GENSCAN
Start	45133	End	45466
GI	none	Score	.45
Exons	45133..45229, 45291..45466		

Seq. No.	3550	Seq. ID	OJ990402_30.9819.C6
Gene No.	7542	Strand	-
Start	45133	End	45557
Name	OJ990402_30.9819.C6.o6.np	Method	AAT/NAP
Start	45215	End	45557
GI	2864613	Score	88
Exons	45215..45290, 45348..45557		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi|4049333|emb|CAA22558.1| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7543	Strand	-
Start	1	End	1800
Name	OJ990402_30.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	1692
GI	3047096	Score	714
Exons	1..210, 302..715, 788..1692		
GI Descrip.	(AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7543	Strand	-
Start	1	End	1800
Name	OJ990402_30.9819.C7.o1.gs	Method	GENSCAN
Start	10	End	1734
GI	none	Score	.97
Exons	10..1734		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7543	Strand	-
Start	1	End	1800
Name	OJ990402_30.9819.C7.o1.gp	Method	AAT/GAP
Start	1308	End	1800
GI	uC-osroM202029b04b1	Score	958
Exons	1308..1800		
GI Descrip.	'3047096 1.0e-14 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]'		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	1	End	178
GI	none	Score	273
Exons	1..177, 2..178, 131..178		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	25	End	228
GI	none	Score	157
Exons	25..201, 25..228		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o2.gs	Method	GENSCAN
Start	3314	End	10161
GI	none	Score	.69
Exons	3314..3612, 5650..5681, 5778..5902, 6378..6592, 7449..7492, 7593..7954, 8763..9250, 10107..10161		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o2.gp	Method	AAT/GAP
Start	5311	End	9197
GI	61_1.R1084	Score	2970
Exons	5311..5681, 5778..5902, 6378..6592, 7449..7492, 7593..7954, 8763..9197		
GI Descrip.	'3318615/dbj|BAA31584.1| 0.0e+00 (AB016065) mitochondrial phosphate transporter [Oryza sativa]'		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	5375	End	9171
GI	none	Score	69
Exons	5375..5452, 5375..5449, 5424..5537, 5433..5522, 5612..5656, 5640..5681, 5645..5680, 5770..5901, 5778..5903, 5778..5900, 5780..5911, 6370..6597, 6378..6596, 7422..7493, 7450..7491, 7460..7492, 7578..7787, 7591..7956, 7592..7957, 7593..7955, 8760..8894, 8764..8901, 8764..8928, 8962..9030, 8970..9032, 9016..9057, 9018..9047, 9136..9171		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	5474	End	5911
GI	none	Score	49
Exons	5474..5518, 5475..5522, 5525..5602, 5531..5662, 5634..5681, 5778..5903, 5778..5882, 5780..5911		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o3.np	Method	AAT/NAP
Start	5618	End	9056
GI	3318615	Score	1757
Exons	5618..5681, 5778..5902, 6378..6592, 7449..7492, 7593..7954,		

8763..9056
GI Descrip. (AB016065) mitochondrial phosphate transporter [Oryza sativa]

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	5624	End	8888
GI	none	Score	53
Exons	5624..5695, 5625..5681, 5780..5911, 5781..5903, 6378..6593, 6378..6596, 6379..6597, 7450..7491, 7593..7955, 7601..7957, 7601..7957, 8760..8888, 8764..8877		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	5773	End	9117
GI	none	Score	75
Exons	5773..5892, 5778..5903, 5780..5911, 6377..6520, 6378..6596, 6378..6596, 6379..6597, 7450..7491, 7592..7957, 7593..7955, 7603..7956, 7663..7965, 8760..8879, 8764..8877, 8991..9029, 9085..9117		

Seq. No.	3551	Seq. ID	OJ990402_30.9819.C7
Gene No.	7544	Strand	-
Start	3314	End	10161
Name	OJ990402_30.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	7462	End	7957
GI	none	Score	48
Exons	7462..7494, 7462..7491, 7463..7492, 7591..7956, 7592..7957, 7593..7955, 7594..7956		

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7545	Strand	+
Start	312	End	553
Name	OJ990402_30.9819.C8.o1.gs	Method	GENSCAN
Start	312	End	553
GI	none	Score	.65
Exons	312..405, 495..553		

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7546	Strand	-
Start	766	End	5224
Name	OJ990402_30.9819.C8.o1.gp	Method	AAT/GAP
Start	766	End	2106
GI	none	Score	1133
Exons	766..1022, 1361..1453, 1524..1657, 1969..2106		

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7546	Strand	-
Start	766	End	5224
Name	OJ990402_30.9819.C8.o2.gs	Method	GENSCAN
Start	1240	End	5224
GI	none	Score	.86
Exons	1240..1305, 1361..1453, 1524..1657, 1969..2119, 2443..2513, 2789..2871, 3278..3327, 3658..3734, 3822..3882, 4050..4110,		

4412..4509, 4597..4950, 5051..5224

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7546	Strand	-
Start	766	End	5224
Name	OJ990402_30.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	1368	End	4170
GI	none	Score	58
Exons	1368..1466, 1515..1598, 1520..1600, 1522..1599, 1525..1602, 1611..1658, 1616..1660, 1617..1661, 1994..2041, 1994..2053, 2042..2125, 2043..2120, 2442..2513, 2443..2514, 2444..2515, 2784..2879, 2787..2873, 2791..2874, 3262..3345, 3655..3735, 3656..3733, 3823..3888, 3823..3897, 3824..3898, 3963..4019, 3964..4020, 3965..4018, 4104..4163, 4105..4167, 4105..4170		

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7546	Strand	-
Start	766	End	5224
Name	OJ990402_30.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	2006	End	4174
GI	none	Score	68
Exons	2006..2125, 2061..2114, 2443..2514, 2784..2867, 2796..2858, 2800..2871, 3262..3339, 3281..3328, 3655..3735, 3656..3736, 3701..3736, 3823..3897, 3823..3897, 3830..3898, 3833..3898, 3965..4018, 3972..4010, 4105..4170, 4109..4174		

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7546	Strand	-
Start	766	End	5224
Name	OJ990402_30.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	2808	End	4170
GI	none	Score	65
Exons	2808..2867, 3262..3339, 3652..3735, 3656..3736, 3823..3897, 3823..3897, 3965..4018, 4105..4170		

Seq. No.	3552	Seq. ID	OJ990402_30.9819.C8
Gene No.	7546	Strand	-
Start	766	End	5224
Name	OJ990402_30.9819.C8.o2.gp	Method	AAT/GAP
Start	3687	End	4709
GI	58686_1.R1084	Score	565
Exons	3687..3734, 3822..3882, 3965..4018, 4105..4164, 4597..4709		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7547	Strand	+
Start	59	End	2145
Name	OJ990402_30.9819.C11.o1.gs	Method	GENSCAN
Start	59	End	2145
GI	none	Score	.45
Exons	59..109, 1791..1928, 1979..2145		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o3.gs	Method	GENSCAN

Start	8754	End	15999
GI	none	Score	.55
Exons	8754..8879, 9460..9577, 9772..13692, 13870..13917, 13922..14105, 14246..14450, 15724..15999		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o1.np	Method	AAT/NAP
Start	9771	End	13676
GI	6539553	Score	6774
Exons	9771..13676		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	9907	End	10383
GI	none	Score	352
Exons	9907..10293, 9945..10292, 10308..10382, 10310..10381, 10312..10383		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	10035	End	10376
GI	none	Score	89
Exons	10035..10244, 10114..10239, 10263..10376, 10270..10350		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	10239	End	10578
GI	none	Score	206
Exons	10239..10577, 10240..10578		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	10389	End	10734
GI	none	Score	127
Exons	10389..10733, 10534..10734		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	10587	End	11132
GI	none	Score	46
Exons	10587..10793, 10615..10719, 10788..11132, 10812..10985		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	10668	End	11133
GI	none	Score	55
Exons	10668..11132, 10771..10881, 10815..10997, 10951..11133		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	10803	End	11267
GI	5509260	Score	58
Exons	10803..11267, 10822..10881, 10954..11049		
GI Descrip.	-		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	10914	End	11174
GI	none	Score	282
Exons	10914..11174		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	11187	End	11942
GI	none	Score	200
Exons	11187..11426, 11188..11346, 11204..11434, 11207..11404, 11455..11934, 11484..11942		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	11568	End	11957
GI	none	Score	112
Exons	11568..11762, 11775..11957		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	11592	End	11990
GI	none	Score	38
Exons	11592..11765, 11719..11757, 11766..11990, 11811..11981, 11812..11982		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	11778	End	12212

GI	none	Score	84
Exons	11778..12212, 11803..12003		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o5.tw	Method	TBLASTX:Wheat
Start	11943	End	12135
GI	none	Score	186
Exons	11943..12134, 11943..12134, 12064..12135		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o5.ts	Method	TBLASTX:Soybean
Start	12000	End	12386
GI	none	Score	88
Exons	12000..12248, 12231..12386		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	12413	End	12735
GI	none	Score	395
Exons	12413..12580, 12414..12728, 12415..12708, 12481..12735		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	13234	End	13547
GI	none	Score	297
Exons	13234..13539, 13236..13547		

Seq. No.	3553	Seq. ID	OJ990402_30.9819.C11
Gene No.	7548	Strand	-
Start	8754	End	15999
Name	OJ990402_30.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	13296	End	13682
GI	none	Score	258
Exons	13296..13682, 13297..13671		

Seq. No.	3554	Seq. ID	OJ990402_30.9819.C12
Gene No.	7549	Strand	+
Start	42	End	422
Name	OJ990402_30.9819.C12.o1.gp	Method	AAT/GAP
Start	42	End	422
GI	63060_1.R1084	Score	627
Exons	42..422		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	3554	Seq. ID	OJ990402_30.9819.C12
Gene No.	7550	Strand	-
Start	46	End	533
Name	OJ990402_30.9819.C12.o1.gs	Method	GENSCAN

Start	46	End	533
GI	none	Score	.96
Exons	46..533		

Seq. No.	3555	Seq. ID	OJ990402_32.9819.C1
Gene No.	7551	Strand	+
Start	250	End	568
Name	OJ990402_32.9819.C1.o1.gs	Method	GENSCAN
Start	250	End	568
GI	none	Score	.7
Exons	250..424, 454..568		

Seq. No.	3556	Seq. ID	OJ990402_32.9819.C2
Gene No.	7552	Strand	+
Start	307	End	693
Name	OJ990402_32.9819.C2.o1.gs	Method	GENSCAN
Start	307	End	693
GI	none	Score	.46
Exons	307..325, 617..693		

Seq. No.	3557	Seq. ID	OJ990402_32.9819.C3
Gene No.	7553	Strand	+
Start	1449	End	8284
Name	OJ990402_32.9819.C3.o1.gs	Method	GENSCAN
Start	1449	End	7404
GI	none	Score	.8
Exons	1449..1570, 1607..1749, 1845..1931, 2092..2181, 2681..2892, 2919..2982, 3381..3491, 5402..5608, 6122..6325, 6412..6704, 6781..7139, 7217..7404		

Seq. No.	3557	Seq. ID	OJ990402_32.9819.C3
Gene No.	7553	Strand	+
Start	1449	End	8284
Name	OJ990402_32.9819.C3.o2.gp	Method	AAT/GAP
Start	3749	End	3846
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	3749..3846		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3557	Seq. ID	OJ990402_32.9819.C3
Gene No.	7553	Strand	+
Start	1449	End	8284
Name	OJ990402_32.9819.C3.o3.gp	Method	AAT/GAP
Start	4048	End	4456
GI	5816562	Score	650
Exons	4048..4456		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	3557	Seq. ID	OJ990402_32.9819.C3
Gene No.	7553	Strand	+
Start	1449	End	8284
Name	OJ990402_32.9819.C3.o1.np	Method	AAT/NAP
Start	5441	End	8284
GI	6691716	Score	1730

Exons	5441..6329, 6527..6704, 6781..6883, 6960..7139, 7217..7404, 8245..8284		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	3557	Seq. ID	OJ990402_32.9819.C3
Gene No.	7554	Strand	-
Start	668	End	861
Name	OJ990402_32.9819.C3.o1.gp	Method	AAT/GAP
Start	668	End	861
GI	5667512	Score	367
Exons	668..861		
GI Descrip.	2828290/emb|CAA16704.1| 6.0e-12 (AL021687) ankyrin-like protein [Arabidopsis thaliana]		
Seq. No.	3557	Seq. ID	OJ990402_32.9819.C3
Gene No.	7555	Strand	
Start	5560	End	5851
Name	OJ990402_32.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	5560	End	5851
GI	none	Score	211
Exons	5560..5643, 5561..5851, 5746..5814		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7556	Strand	+
Start	1	End	3326
Name	OJ990402_32.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	3320
GI	6691716	Score	748
Exons	1..52, 2390..2553, 2703..2807, 2881..3320		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7556	Strand	+
Start	1	End	3326
Name	OJ990402_32.9819.C4.o1.gp	Method	AAT/GAP
Start	1371	End	1893
GI	LIB3434-038-P1-K1-F1	Score	777
Exons	1371..1893		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7556	Strand	+
Start	1	End	3326
Name	OJ990402_32.9819.C4.o1.gs	Method	GENSCAN
Start	2394	End	3326
GI	none	Score	.68
Exons	2394..2485, 2522..2631, 2703..2807, 2881..3015, 3178..3326		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7557	Strand	+
Start	8803	End	9562
Name	OJ990402_32.9819.C4.o2.gp	Method	AAT/GAP

Start	8803	End	9562
GI	5816562	Score	652
Exons	8803..8828, 9150..9562		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7558	Strand	+
Start	12046	End	17244
Name	OJ990402_32.9819.C4.o3.gp	Method	AAT/GAP
Start	12046	End	12557
GI	uC-osf1M202052c07b1	Score	999
Exons	12046..12557		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7558	Strand	+
Start	12046	End	17244
Name	OJ990402_32.9819.C4.o3.np	Method	AAT/NAP
Start	12156	End	15623
GI	4234852	Score	2084
Exons	12156..12332, 12366..15623		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7558	Strand	+
Start	12046	End	17244
Name	OJ990402_32.9819.C4.o3.gs	Method	GENSCAN
Start	12162	End	17244
GI	none	Score	.48
Exons	12162..12853, 12897..13003, 14666..14752, 16542..16663, 16841..16962, 17061..17244		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7558	Strand	+
Start	12046	End	17244
Name	OJ990402_32.9819.C4.o4.gp	Method	AAT/GAP
Start	12789	End	13349
GI	uC-osf1cyp006a10b1	Score	777
Exons	12789..13003, 13111..13349		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7559	Strand	+
Start	18975	End	19487
Name	OJ990402_32.9819.C4.o6.gp	Method	AAT/GAP
Start	18975	End	19487
GI	4715490	Score	981
Exons	18975..19487		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7560	Strand	+
Start	23297	End	27713
Name	OJ990402_32.9819.C4.o5.gs	Method	GENSCAN
Start	23297	End	27709
GI	none	Score	.82
Exons	23297..23402, 24550..24696, 25373..25620, 25705..25815,		

25921..26024, 27662..27709

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7560	Strand	+
Start	23297	End	27713
Name	OJ990402_32.9819.C4.o8.gp	Method	AAT/GAP
Start	25361	End	26009
GI	70230_1.R1084	Score	828
Exons	25361..25620, 25705..25815, 25921..26009		
GI Descrip.	'3157932 4.0e-30 (AC002131) Similar to hypothetical protein HYP1 gb_Z97338 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7560	Strand	+
Start	23297	End	27713
Name	OJ990402_32.9819.C4.o5.np	Method	AAT/NAP
Start	25561	End	27712
GI	1806144	Score	954
Exons	25561..25620, 25705..25815, 25921..26024, 26171..26213, 26302..26400, 26622..26691, 26777..26871, 27165..27198, 27292..27376, 27462..27539, 27662..27712		
GI Descrip.	(X97316) cdc2MsE [Medicago sativa]		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7560	Strand	+
Start	23297	End	27713
Name	OJ990402_32.9819.C4.o9.gp	Method	AAT/GAP
Start	25855	End	27713
GI	16624_1.R1084	Score	922
Exons	25855..25875, 26003..26024, 26171..26213, 26302..26400, 26622..26691, 26777..26871, 27165..27198, 27292..27376, 27462..27539, 27662..27713		
GI Descrip.	'1806144/emb|CAA65981| 1.0e-109 (X97316) cdc2MsE [Medicago sativa]'		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7561	Strand	-
Start	3660	End	11074
Name	OJ990402_32.9819.C4.o2.gs	Method	GENSCAN
Start	3660	End	11074
GI	none	Score	.51
Exons	3660..4135, 4141..5615, 5961..7077, 7205..8249, 8267..9151, 10170..10325, 10503..10668, 10935..11074		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7561	Strand	-
Start	3660	End	11074
Name	OJ990402_32.9819.C4.o2.np	Method	AAT/NAP
Start	3696	End	9103
GI	5922631	Score	5573
Exons	3696..7077, 7205..7356, 7399..7970, 8016..8218, 8476..8720, 8979..9103		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7562	Strand	-
Start	17332	End	17721
Name	OJ990402_32.9819.C4.o5.gp	Method	AAT/GAP
Start	17332	End	17721
GI	none	Score	678
Exons	17332..17721		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	3672	End	4250
GI	none	Score	70
Exons	3672..3803, 3795..4103, 3997..4101, 4109..4135, 4166..4249, 4176..4250		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o7.tm	Method	TBLASTX:Maize
Start	3711	End	3974
GI	none	Score	102
Exons	3711..3812, 3712..3813, 3792..3974, 3793..3918		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	4392	End	4781
GI	none	Score	54
Exons	4392..4439, 4394..4585, 4394..4780, 4470..4781		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	4424	End	4787
GI	none	Score	245
Exons	4424..4471, 4463..4786, 4464..4787		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o9.tw	Method	TBLASTX:Wheat
Start	4784	End	5083
GI	none	Score	131
Exons	4784..4882, 4949..5083		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	5099	End	5521

GI	none	Score	225
Exons	5099..5521, 5175..5516		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o7.ts	Method	TBLASTX:Soybean
Start	5142	End	5530
GI	none	Score	66
Exons	5142..5261, 5144..5266, 5310..5390, 5312..5386, 5426..5530		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o11.tm	Method	TBLASTX:Maize
Start	5195	End	5467
GI	none	Score	53
Exons	5195..5293, 5196..5261, 5297..5467, 5312..5467		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	5558	End	5987
GI	none	Score	139
Exons	5558..5986, 5559..5987		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	5756	End	6157
GI	none	Score	37
Exons	5756..6157, 5817..5960, 5997..6140		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	5909	End	6292
GI	none	Score	156
Exons	5909..6292, 5910..6254		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	6032	End	6451
GI	none	Score	226
Exons	6032..6451, 6033..6449		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	6320	End	6676
GI	none	Score	204

Exons	6320..6676, 6330..6635		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o8.ts	Method	TBLASTX:Soybean
Start	6401	End	6766
GI	none	Score	138
Exons	6401..6535, 6542..6766		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	6482	End	6805
GI	none	Score	247
Exons	6482..6805, 6483..6788		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	7392	End	7794
GI	none	Score	120
Exons	7392..7793, 7525..7794		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	12249	End	13169
GI	none	Score	478
Exons	12249..12827, 12371..12817, 12462..12851, 12910..13002, 13107..13169		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o6.ts	Method	TBLASTX:Soybean
Start	14123	End	14537
GI	5509260	Score	167
Exons	14123..14320, 14124..14324, 14321..14443, 14381..14470, 14436..14537		
GI Descrip.	-		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o10.tm	Method	TBLASTX:Maize
Start	14124	End	14422
GI	none	Score	176
Exons	14124..14324, 14321..14422		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o2.tw	Method	TBLASTX:Wheat

Start	14243	End	15026
GI	none	Score	86
Exons	14243..14323, 14244..14324, 14244..14324, 14320..14433, 14321..14443, 14439..14537, 14439..14522, 14447..14533, 14509..14544, 14533..14616, 14623..14841, 14651..14887, 14659..14841, 14820..15026, 14828..15022		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o9.tm	Method	TBLASTX:Maize
Start	14832	End	15086
GI	none	Score	214
Exons	14832..15086, 14966..15085		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o10.tw	Method	TBLASTX:Wheat
Start	15209	End	15572
GI	none	Score	118
Exons	15209..15349, 15217..15348, 15357..15572		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o8.tm	Method	TBLASTX:Maize
Start	16573	End	17130
GI	none	Score	91
Exons	16573..16659, 16607..16666, 16838..16960, 16840..16950, 16840..16962, 16841..16957, 17058..17129, 17058..17129, 17059..17130		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o4.gs	Method	GENSCAN
Start	19215	End	21572
GI	none	Score	.99
Exons	19215..20426, 20504..21274, 21390..21572		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o4.np	Method	AAT/NAP
Start	19284	End	21476
GI	4106690	Score	1205
Exons	19284..20426, 20504..20614, 20660..21274, 21390..21476		
GI Descrip.	(AL035065) putative urea active transporter [Schizosaccharomyces pombe]		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o3.tc	Method	TBLASTX:Cress
Start	19311	End	19500
GI	none	Score	114

Exons	19311..19499, 19318..19500		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	19503	End	19892
GI	none	Score	54
Exons	19503..19571, 19551..19649, 19558..19611, 19684..19878, 19686..19892		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	20337	End	20611
GI	none	Score	91
Exons	20337..20426, 20341..20433, 20504..20611, 20505..20606		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	20786	End	21022
GI	none	Score	188
Exons	20786..20968, 20787..20963, 20981..21022		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o7.gp	Method	AAT/GAP
Start	20847	End	21663
GI	61914_1.R1084	Score	1336
Exons	20847..21274, 21390..21663		
GI Descrip.	'4106690/emb|CAA22629.1| 2.0e-43 (AL035065) putative urea active transporter [Schizosaccharomyces pombe]'		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7563	Strand	-
Start	19215	End	21663
Name	OJ990402_32.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	21045	End	21509
GI	none	Score	313
Exons	21045..21275, 21047..21274, 21381..21509, 21388..21507		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7564	Strand	
Start	25373	End	26210
Name	OJ990402_32.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	25373	End	26210
GI	none	Score	36
Exons	25373..25423, 25413..25496, 25414..25512, 25416..25499, 25530..25619, 25530..25622, 25531..25623, 25703..25750, 25704..25760, 25711..25815, 25918..26010, 25920..26012, 25921..25983, 26163..26210		
Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4

Gene No.	7564	Strand	
Start	25373	End	26210
Name	OJ990402_32.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	25414	End	26024
GI	none	Score	138
Exons	25414..25506, 25419..25517, 25419..25499, 25536..25619, 25537..25623, 25548..25625, 25711..25815, 25920..26024, 25921..25983		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7565	Strand	
Start	26301	End	27721
Name	OJ990402_32.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	26301	End	27713
GI	none	Score	92
Exons	26301..26363, 26301..26417, 26302..26415, 26621..26710, 26622..26702, 26767..26874, 26775..26867, 27161..27199, 27165..27200, 27290..27376, 27291..27374, 27298..27375, 27461..27544, 27462..27545, 27463..27543, 27639..27710, 27662..27712, 27662..27712, 27663..27713		

Seq. No.	3558	Seq. ID	OJ990402_32.9819.C4
Gene No.	7565	Strand	
Start	26301	End	27721
Name	OJ990402_32.9819.C4.o5.ts	Method	TBLASTX:Soybean
Start	26346	End	27721
GI	none	Score	101
Exons	26346..26417, 26347..26415, 26621..26746, 26622..26702, 26767..26874, 26775..26873, 27158..27199, 27165..27200, 27290..27376, 27291..27374, 27463..27543, 27639..27710, 27662..27721		

Seq. No.	3559	Seq. ID	OJ990402_32.9819.C5
Gene No.	7566	Strand	+
Start	1	End	1423
Name	OJ990402_32.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1358
GI	1806144	Score	160
Exons	1..53, 417..453, 567..678, 988..1194, 1281..1358		
GI Descrip.	(X97316) cdc2MsE [Medicago sativa]		

Seq. No.	3559	Seq. ID	OJ990402_32.9819.C5
Gene No.	7566	Strand	+
Start	1	End	1423
Name	OJ990402_32.9819.C5.o1.gs	Method	GENSCAN
Start	343	End	1358
GI	none	Score	.83
Exons	343..453, 567..675, 988..1194, 1284..1358		

Seq. No.	3559	Seq. ID	OJ990402_32.9819.C5
Gene No.	7566	Strand	+
Start	1	End	1423
Name	OJ990402_32.9819.C5.o1.gp	Method	AAT/GAP
Start	421	End	1423
GI	16624_1.R1084	Score	876
Exons	421..453, 567..675, 988..1194, 1284..1423		
GI Descrip.	'1806144/emb|CAA65981| 1.0e-109 (X97316) cdc2MsE [Medicago		

sativa]'

Seq. No.	3559	Seq. ID	OJ990402_32.9819.C5
Gene No.	7566	Strand	+
Start	1	End	1423
Name	OJ990402_32.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	421	End	1357
GI	none	Score	60
Exons	421..453, 422..472, 565..672, 567..671, 573..674, 984..1064, 987..1010, 1080..1190, 1081..1209, 1081..1194, 1262..1345, 1277..1333, 1281..1349, 1337..1357		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7567	Strand	+
Start	4192	End	5522
Name	OJ990402_32.9819.C6.o2.gs	Method	GENSCAN
Start	4192	End	5522
GI	none	Score	.73
Exons	4192..4340, 4546..4758, 4886..5065, 5366..5522		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7568	Strand	-
Start	60	End	2307
Name	OJ990402_32.9819.C6.o1.gp	Method	AAT/GAP
Start	60	End	2166
GI	14569_1.R1084	Score	1883
Exons	60..600, 1057..1122, 1232..1291, 1610..1725, 1832..1922, 2008..2166		
GI Descrip.	'3182915/sp|P91924|ARF_DUGJA 3.0e-59 ADP-RIBOSYLATION FACTOR >gi_1842150_dbj_BAA19225_ (AB001051) ADP-ribosylation factor [Dugesia japonica]'		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7568	Strand	-
Start	60	End	2307
Name	OJ990402_32.9819.C6.o1.gs	Method	GENSCAN
Start	412	End	2307
GI	none	Score	.76
Exons	412..600, 1057..1122, 1610..1725, 1832..1968, 1985..2155, 2216..2307		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7568	Strand	-
Start	60	End	2307
Name	OJ990402_32.9819.C6.o1.np	Method	AAT/NAP
Start	415	End	2064
GI	6714424	Score	710
Exons	415..600, 1057..1122, 1232..1291, 1610..1725, 1832..1922, 2008..2064		
GI Descrip.	(AC012328) putative ADP-ribosylation factor [Arabidopsis thaliana]		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7569	Strand	-
Start	6284	End	19500
Name	OJ990402_32.9819.C6.o3.gs	Method	GENSCAN
Start	6284	End	19476

GI	none	Score	.48
Exons	6284..6446, 7105..7262, 7353..7887, 8715..8829, 8837..8953, 9121..9360, 9910..10140, 10434..10486, 10611..10801, 10879..10977, 11059..11404, 11448..11653, 11746..11813, 12127..12411, 12506..12776, 13359..13431, 13650..14603, 15378..16449, 16983..17221, 17720..19071, 19156..19476		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7569	Strand	-
Start	6284	End	19500
Name	OJ990402_32.9819.C6.o2.np	Method	AAT/NAP
Start	9902	End	16350
GI	6815062	Score	6056
Exons	9902..10134, 10189..10209, 10444..10801, 10879..10977, 11059..11404, 11448..11653, 11746..11937, 12014..12411, 12506..12776, 13359..13431, 13650..15139, 16330..16350		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7569	Strand	-
Start	6284	End	19500
Name	OJ990402_32.9819.C6.o2.gp	Method	AAT/GAP
Start	17494	End	17688
GI	2798745	Score	295
Exons	17494..17688		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7569	Strand	-
Start	6284	End	19500
Name	OJ990402_32.9819.C6.o3.np	Method	AAT/NAP
Start	17698	End	19500
GI	6587835	Score	623
Exons	17698..18542, 18576..19074, 19120..19500		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	416	End	2065
GI	none	Score	264
Exons	416..601, 420..611, 445..600, 1057..1125, 1058..1132, 1059..1130, 1231..1278, 1232..1291, 1233..1292, 1607..1723, 1607..1726, 1611..1727, 1611..1727, 1660..1728, 1830..1922, 1830..1940, 1831..1923, 1841..1930, 2005..2064, 2006..2065		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	440	End	601
GI	none	Score	183
Exons	440..601, 445..600, 461..601		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6

Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	452	End	2064
GI	none	Score	73
Exons	452..595, 460..594, 1057..1119, 1238..1291, 1607..1726, 1611..1727, 1830..1928, 1831..1917, 1836..1922, 2005..2064		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	2068
GI	none	Score	148
Exons	1087..1125, 1232..1291, 1607..1726, 1611..1727, 1830..1940, 1831..1923, 2005..2067, 2006..2068		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	1607	End	2080
GI	none	Score	83
Exons	1607..1723, 1607..1726, 1614..1727, 1666..1728, 1830..1928, 1831..1923, 1838..1873, 2005..2076, 2006..2080		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	11059	End	11641
GI	none	Score	134
Exons	11059..11355, 11447..11473, 11480..11641		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	11875	End	12572
GI	none	Score	46
Exons	11875..11949, 11908..11949, 12011..12322, 12015..12320, 12321..12380, 12345..12419, 12350..12418, 12483..12572		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	14576	End	15119
GI	none	Score	39
Exons	14576..14941, 14596..14619, 14652..14942, 14960..15115, 14994..15119		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	17719	End	19381

GI	none	Score	88
Exons	17719..17844, 17833..18051, 17956..18045, 18127..18159, 18286..18450, 18457..18504, 18643..18834, 18644..18838, 18877..19071, 18899..19072, 19111..19380, 19199..19381		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	17779	End	18045
GI	none	Score	111
Exons	17779..17841, 17833..18045, 17882..18037, 17944..18042		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	17779	End	18504
GI	none	Score	50
Exons	17779..17886, 17833..18051, 17900..18049, 18028..18201, 18080..18160, 18295..18450, 18460..18504		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o4.ts	Method	TBLASTX:Soybean
Start	17833	End	18504
GI	none	Score	47
Exons	17833..18051, 18058..18279, 18286..18447, 18457..18504		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	18643	End	19389
GI	none	Score	132
Exons	18643..18840, 18644..18838, 18889..19077, 18899..19078, 19159..19389, 19175..19387		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	18685	End	19309
GI	none	Score	62
Exons	18685..18852, 18716..18856, 18877..19071, 18899..19060, 19162..19308, 19187..19309		

Seq. No.	3560	Seq. ID	OJ990402_32.9819.C6
Gene No.	7570	Strand	-
Start	19510	End	19678
Name	OJ990402_32.9819.C6.o3.gp	Method	AAT/GAP
Start	19510	End	19678
GI	none	Score	322
Exons	19510..19678		

Seq. No.	3561	Seq. ID	OJ990402_32.9819.C7

Gene No.	7571	Strand	+
Start	904	End	1293
Name	OJ990402_32.9819.C7.o1.gs	Method	GENSCAN
Start	904	End	1293
GI	none	Score	.41
Exons	904..1293		

Seq. No.	3561	Seq. ID	OJ990402_32.9819.C7
Gene No.	7572	Strand	-
Start	2056	End	2710
Name	OJ990402_32.9819.C7.o2.gs	Method	GENSCAN
Start	2056	End	2710
GI	none	Score	.86
Exons	2056..2352, 2483..2575, 2660..2710		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7573	Strand	+
Start	1	End	5321
Name	OJ990402_32.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	5241
GI	6466937	Score	2162
Exons	1..133, 945..1563, 1606..5241		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7573	Strand	+
Start	1	End	5321
Name	OJ990402_32.9819.C8.o1.gs	Method	GENSCAN
Start	512	End	5321
GI	none	Score	.51
Exons	512..1605, 1831..2009, 2547..2735, 3268..3369, 4864..4989, 5041..5321		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7574	Strand	+
Start	9617	End	11438
Name	OJ990402_32.9819.C8.o2.gp	Method	AAT/GAP
Start	9617	End	11438
GI	none	Score	1314
Exons	9617..9925, 10008..10092, 11124..11438		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7575	Strand	+
Start	17695	End	23077
Name	OJ990402_32.9819.C8.o5.gs	Method	GENSCAN
Start	17695	End	22831
GI	none	Score	.49
Exons	17695..17770, 19522..19690, 20178..20255, 20628..20654, 20779..20870, 21185..21237, 22667..22831		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7575	Strand	+
Start	17695	End	23077
Name	OJ990402_32.9819.C8.o3.gp	Method	AAT/GAP
Start	20101	End	23077
GI	50072_1.R1084	Score	1626

Exons	20101..20332, 20628..20654, 20779..20870, 21185..21294, 22667..23077		
GI Descrip.	'4006932/emb|CAA09608| 8.0e-13 (AJ011400) NADH:ubiquinone oxidoreductase b17.2 subunit [Bos taurus]'		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7575	Strand	+
Start	17695	End	23077
Name	OJ990402_32.9819.C8.o4.np	Method	AAT/NAP
Start	20241	End	22822
GI	6714426	Score	510
Exons	20241..20332, 20628..20654, 20779..20870, 21185..21294, 22667..22822		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7576	Strand	+
Start	23838	End	27780
Name	OJ990402_32.9819.C8.o4.gp	Method	AAT/GAP
Start	23782	End	24537
GI	none	Score	690
Exons	23782..23879, 23982..24088, 24166..24244, 24335..24394, 24495..24537		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7576	Strand	+
Start	23838	End	27780
Name	OJ990402_32.9819.C8.o6.gs	Method	GENSCAN
Start	23838	End	27780
GI	none	Score	.42
Exons	23838..23879, 23982..24088, 24166..24244, 24878..24979, 25071..25439, 25828..25890, 26700..26780, 27177..27275, 27652..27780		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7576	Strand	+
Start	23838	End	27780
Name	OJ990402_32.9819.C8.o5.np	Method	AAT/NAP
Start	24881	End	27780
GI	6714427	Score	1017
Exons	24881..24979, 25071..25439, 25541..25588, 25828..25890, 26700..26784, 27181..27275, 27408..27545, 27652..27780		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7576	Strand	+
Start	23838	End	27780
Name	OJ990402_32.9819.C8.o5.gp	Method	AAT/GAP
Start	25338	End	27479
GI	LIB3433-037-P1-K1-A9	Score	772
Exons	25338..25439, 25541..25588, 25828..25890, 26700..26780, 27177..27275, 27408..27479		
GI Descrip.	'3915309/sp|O52733|XYLT_LACBR 3.0e-19 D-XYLOSE-PROTON SYMPORT (D-XYLOSE TRANSPORTER) >gi_2895856 (AF045552) D-xylose proton-symporter [Lactobacillus brevis]'		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8

Gene No.	7577	Strand	-
Start	5844	End	8679
Name	OJ990402_32.9819.C8.o2.gs	Method	GENSCAN
Start	5844	End	8641
GI	none	Score	.88
Exons	5844..6663, 7080..7551, 7831..8007, 8284..8332, 8594..8641		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7577	Strand	-
Start	5844	End	8679
Name	OJ990402_32.9819.C8.o2.np	Method	AAT/NAP
Start	5862	End	8019
GI	4102839	Score	1122
Exons	5862..6663, 7080..7636, 7791..8019		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7577	Strand	-
Start	5844	End	8679
Name	OJ990402_32.9819.C8.o1.gp	Method	AAT/GAP
Start	8307	End	8679
GI	5003335	Score	225
Exons	8307..8350, 8594..8679		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o9.tm	Method	TBLASTX:Maize
Start	1580	End	2194
GI	none	Score	121
Exons	1580..1708, 1775..2017, 2105..2194		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	2402	End	2850
GI	none	Score	350
Exons	2402..2842, 2479..2850		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o8.ts	Method	TBLASTX:Soybean
Start	2423	End	2752
GI	none	Score	195
Exons	2423..2752		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	2461	End	2915
GI	none	Score	503
Exons	2461..2847, 2465..2863, 2465..2851, 2859..2915		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8

Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o6.ts	Method	TBLASTX:Soybean
Start	2859	End	3197
GI	none	Score	282
Exons	2859..3197, 2921..3187		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	2910	End	3311
GI	none	Score	305
Exons	2910..3311, 2921..3277		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	2940	End	3461
GI	none	Score	572
Exons	2940..3461, 2942..3301		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o7.ts	Method	TBLASTX:Soybean
Start	3221	End	3464
GI	none	Score	199
Exons	3221..3361, 3222..3464		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	3462	End	3887
GI	none	Score	230
Exons	3462..3650, 3462..3593, 3657..3887		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	3657	End	4055
GI	none	Score	363
Exons	3657..4055, 3794..4054		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	3888	End	4525
GI	none	Score	748
Exons	3888..4523, 3891..4511, 3983..4522, 4394..4525		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-

Start	13776	End	17016
Name	OJ990402_32.9819.C8.o5.ts	Method	TBLASTX:Soybean
Start	3912	End	4295
GI	none	Score	291
Exons	3912..4295, 3924..4097, 3962..4270, 4200..4295		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o5.tw	Method	TBLASTX:Wheat
Start	4143	End	4523
GI	none	Score	282
Exons	4143..4523, 4235..4474		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	4554	End	5198
GI	none	Score	522
Exons	4554..5198, 4641..4736, 4805..4894, 4922..5026, 5004..5198		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	4590	End	4933
GI	none	Score	337
Exons	4590..4931, 4626..4883, 4682..4933		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	5799	End	8017
GI	none	Score	50
Exons	5799..5825, 5868..5993, 5905..5991, 6045..6203, 6052..6192, 6117..6626, 6280..6582, 6411..6590, 6630..6665, 7025..7636, 7167..7637, 7838..8017, 7845..8003		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o13.tm	Method	TBLASTX:Maize
Start	5860	End	6165
GI	none	Score	77
Exons	5860..5973, 5862..5990, 5889..5987, 5905..5991, 6045..6164, 6052..6165		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o9.tw	Method	TBLASTX:Wheat
Start	5862	End	6191
GI	none	Score	60
Exons	5862..5990, 5901..5987, 6045..6191, 6052..6189		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	5865	End	7540
GI	none	Score	95
Exons	5865..6203, 6207..6434, 6286..6435, 6438..6629, 6439..6582, 7172..7540, 7197..7535		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	6280	End	6668
GI	none	Score	354
Exons	6280..6582, 6282..6590, 6324..6629, 6624..6668		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	7165	End	8020
GI	none	Score	523
Exons	7165..7194, 7173..7631, 7220..7636, 7221..7637, 7791..7838, 7830..8000, 7834..8007, 7838..8020, 7842..8009		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o12.tm	Method	TBLASTX:Maize
Start	9824	End	11267
GI	none	Score	126
Exons	9824..9925, 9831..9923, 9845..9928, 10006..10092, 10008..10091, 11118..11267, 11118..11252, 11123..11266		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o8.tw	Method	TBLASTX:Wheat
Start	9829	End	11279
GI	none	Score	36
Exons	9829..9858, 9833..9946, 9834..9923, 9842..9925, 10001..10087, 10005..10082, 10006..10092, 11121..11279, 11121..11276, 11123..11278		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o3.np	Method	AAT/NAP
Start	13776	End	17016
GI	4587521	Score	378
Exons	13776..13859, 15124..15521, 16993..17016		
GI Descrip.	(AC007060) Identical to gb|D88748 AR411 gene from Arabidopsis thaliana. EST gb|T20672 comes from this gene.		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-

Start	13776	End	17016
Name	OJ990402_32.9819.C8.o4.gs	Method	GENSCAN
Start	14963	End	15938
GI	none	Score	.91
Exons	14963..15482, 15559..15938		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	15171	End	15491
GI	none	Score	254
Exons	15171..15422, 15194..15451, 15449..15484, 15450..15491		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	15194	End	15421
GI	none	Score	208
Exons	15194..15421, 15195..15410		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o11.tm	Method	TBLASTX:Maize
Start	15236	End	15422
GI	none	Score	181
Exons	15236..15415, 15237..15422		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7578	Strand	-
Start	13776	End	17016
Name	OJ990402_32.9819.C8.o7.tw	Method	TBLASTX:Wheat
Start	15236	End	15415
GI	none	Score	165
Exons	15236..15415, 15237..15413		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7579	Strand	
Start	20242	End	22898
Name	OJ990402_32.9819.C8.o10.tm	Method	TBLASTX:Maize
Start	20242	End	22845
GI	none	Score	100
Exons	20242..20331, 20242..20331, 20256..20339, 20628..20654, 20629..20655, 20778..20870, 20779..20871, 20780..20872, 20780..20872, 21183..21290, 21184..21294, 21184..21294, 22664..22825, 22666..22836, 22702..22845		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7579	Strand	
Start	20242	End	22898
Name	OJ990402_32.9819.C8.o9.ts	Method	TBLASTX:Soybean
Start	20268	End	22798
GI	none	Score	70
Exons	20268..20333, 20622..20660, 20628..20654, 20779..20871, 20780..20872, 21183..21302, 21184..21306, 22664..22798,		

22666..22797

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7579	Strand	
Start	20242	End	22898
Name	OJ990402_32.9819.C8.o4.tc	Method	TBLASTX:Cress
Start	21228	End	22822
GI	none	Score	111
Exons	21228..21296, 21229..21294, 22664..22822, 22678..22809		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7579	Strand	
Start	20242	End	22898
Name	OJ990402_32.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	22700	End	22898
GI	none	Score	227
Exons	22700..22831, 22705..22827, 22749..22832, 22848..22898		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7580	Strand	
Start	24167	End	27792
Name	OJ990402_32.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	24167	End	26786
GI	none	Score	116
Exons	24167..24244, 24169..24237, 24326..24388, 24497..24586, 24498..24563, 24645..24776, 24646..24780, 24877..24978, 24878..24979, 25070..25438, 25074..25424, 25538..25588, 25816..25893, 25827..25880, 26693..26785, 26700..26786		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7580	Strand	
Start	24167	End	27792
Name	OJ990402_32.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	25073	End	25564
GI	none	Score	217
Exons	25073..25309, 25074..25316, 25338..25424, 25367..25438, 25538..25564		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7580	Strand	
Start	24167	End	27792
Name	OJ990402_32.9819.C8.o8.tm	Method	TBLASTX:Maize
Start	25412	End	27792
GI	none	Score	49
Exons	25412..25441, 25414..25440, 25538..25588, 25540..25587, 25816..25893, 25827..25892, 26691..26780, 26696..26779, 27167..27271, 27177..27275, 27179..27271, 27219..27278, 27405..27545, 27405..27545, 27407..27547, 27651..27773, 27651..27791, 27652..27792		

Seq. No.	3562	Seq. ID	OJ990402_32.9819.C8
Gene No.	7580	Strand	
Start	24167	End	27792
Name	OJ990402_32.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	27417	End	27773
GI	none	Score	203
Exons	27417..27554, 27419..27541, 27645..27773, 27651..27752,		

27655..27771

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7581	Strand	+
Start	1246	End	6367
Name	OJ990402_32.9819.C9.o1.np	Method	AAT/NAP
Start	1246	End	6075
GI	4982479	Score	2019
Exons	1246..1548, 2791..2943, 3118..3253, 3503..3604, 3759..3878, 4003..4083, 4237..4575, 4667..4914, 5042..5366, 5484..5717, 5824..6075		
GI Descrip.	(AF069441) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7581	Strand	+
Start	1246	End	6367
Name	OJ990402_32.9819.C9.o1.gs	Method	GENSCAN
Start	1339	End	6216
GI	none	Score	.75
Exons	1339..1548, 2791..2943, 3118..3253, 3503..3604, 3759..3878, 4003..4083, 4237..4577, 5042..5366, 5484..5717, 5824..6216		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7581	Strand	+
Start	1246	End	6367
Name	OJ990402_32.9819.C9.o1.gp	Method	AAT/GAP
Start	5964	End	6367
GI	97565_1.R1084	Score	787
Exons	5964..6367		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	1240	End	1552
GI	none	Score	172
Exons	1240..1422, 1414..1449, 1448..1552		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	1245	End	3268
GI	none	Score	169
Exons	1245..1382, 1246..1419, 1414..1449, 1448..1552, 1450..1551, 2792..2866, 2794..2847, 2893..2946, 2894..2950, 3115..3255, 3116..3268		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	1246	End	1552
GI	none	Score	167

Exons	1246..1422, 1414..1446, 1414..1551, 1448..1552		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o4.tc	Method	TBLASTX:Cress
Start	1808	End	11286
GI	none	Score	67
Exons	1808..1861, 8527..8631, 8680..8898, 8890..8976, 9240..9287, 9321..9449, 10153..10266, 10155..10274, 10358..10453, 10593..10682, 11179..11286		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	3503	End	4599
GI	none	Score	82
Exons	3503..3643, 4275..4559, 4282..4599		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	3798	End	5916
GI	none	Score	94
Exons	3798..3869, 4236..4574, 4240..4575, 4676..4915, 4676..4774, 4681..4887, 4695..4907, 5023..5151, 5042..5371, 5043..5303, 5228..5320, 5483..5710, 5484..5717, 5662..5718, 5811..5909, 5821..5916, 5821..5916		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	4239	End	4726
GI	none	Score	411
Exons	4239..4577, 4240..4575, 4670..4726		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	4261	End	4533
GI	none	Score	192
Exons	4261..4533, 4356..4514		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	4705	End	5104
GI	none	Score	230
Exons	4705..4884, 4706..4915, 4914..5102, 5042..5104, 5042..5104		
Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+

Start	7948	End	13112
Name	OJ990402_32.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	4727	End	5919
GI	none	Score	215
Exons	4727..4975, 4735..4902, 5013..5303, 5042..5344, 5234..5356, 5474..5710, 5481..5717, 5484..5717, 5820..5897, 5821..5916, 5821..5919		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	5051	End	5585
GI	none	Score	312
Exons	5051..5356, 5052..5303, 5267..5368, 5484..5585		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o2.np	Method	AAT/NAP
Start	7906	End	11304
GI	2832629	Score	1219
Exons	7906..8991, 9258..9485, 10152..10257, 10385..10452, 10577..10679, 11182..11304		
GI Descrip.	(AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o2.gs	Method	GENSCAN
Start	7948	End	13093
GI	none	Score	.87
Exons	7948..8991, 9258..9447, 10118..10257, 10385..10452, 10577..10679, 11928..11960, 12639..12763, 12904..13093		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	8500	End	8976
GI	none	Score	98
Exons	8500..8631, 8532..8651, 8691..8873, 8695..8877, 8890..8976		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o3.gp	Method	AAT/GAP
Start	12454	End	13017
GI	34177_1.R1084	Score	801
Exons	12454..12763, 12904..13017		
GI Descrip.	'5280991/emb|CAB45996.1| 6.0e-57 (Z97338) putative phosphocholine cytidylyltransferase [Arabidopsis thaliana]'		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o3.np	Method	AAT/NAP

Start	12627	End	13112
GI	5280991	Score	281
Exons	12627..12763, 12904..13112		
GI Descrip.	(Z97338) putative phosphocholine cytidylyltransferase [Arabidopsis thaliana]		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	12678	End	13024
GI	none	Score	144
Exons	12678..12758, 12678..12764, 12686..12766, 12903..13019, 12905..13024, 12973..13023		

Seq. No.	3563	Seq. ID	OJ990402_32.9819.C9
Gene No.	7582	Strand	+
Start	7948	End	13112
Name	OJ990402_32.9819.C9.o4.ts	Method	TBLASTX:Soybean
Start	12678	End	13024
GI	none	Score	138
Exons	12678..12758, 12686..12757, 12895..12927, 12896..13024, 12921..13016, 12973..13023		

Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	305	End	726
GI	none	Score	62
Exons	305..400, 305..400, 309..410, 313..426, 316..417, 509..562, 519..566, 648..722, 649..726		

Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	309	End	1013
GI	none	Score	169
Exons	309..410, 313..411, 519..554, 648..806, 649..858, 927..1013		

Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	309	End	1449
GI	none	Score	182
Exons	309..410, 313..411, 315..413, 316..417, 519..569, 648..806, 649..849, 927..1013, 941..1009, 1119..1241, 1127..1240, 1128..1241, 1129..1245, 1354..1449, 1362..1448		

Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.np	Method	AAT/NAP
Start	312	End	1565
GI	1416512	Score	464

Exons	312..410, 518..560, 649..804, 948..1028, 1148..1240, 1363..1429, 1522..1565		
GI Descrip.	(D63167) CTP:phosphocholine cytidylyltransferase [Brassica napus]		
Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.gp	Method	AAT/GAP
Start	315	End	553
GI	34177_1.R1084	Score	223
Exons	315..410, 518..553		
GI Descrip.	'5280991/emb|CAB45996.1| 6.0e-57 (Z97338) putative phosphocholine cytidylyltransferase [Arabidopsis thaliana]'		
Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.gs	Method	GENSCAN
Start	315	End	1240
GI	none	Score	.94
Exons	315..410, 518..560, 649..804, 942..1010, 1130..1240		
Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	315	End	812
GI	none	Score	155
Exons	315..413, 316..411, 316..414, 317..412, 519..569, 648..812, 649..804, 654..806		
Seq. No.	3564	Seq. ID	OJ990402_32.9819.C10
Gene No.	7583	Strand	+
Start	312	End	1565
Name	OJ990402_32.9819.C10.o2.gp	Method	AAT/GAP
Start	711	End	1526
GI	929_1.R1084	Score	772
Exons	711..804, 942..1010, 1130..1240, 1363..1526		
GI Descrip.	'4768992/gb|AAD29709.1|AF140496_1 2.0e-65 (AF140496) cholinephosphate cytidylyltransferase [Oryza sativa]'		
Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7584	Strand	+
Start	47	End	293
Name	OJ990402_32.9819.C11.o1.gp	Method	AAT/GAP
Start	47	End	293
GI	929_1.R1084	Score	456
Exons	47..293		
GI Descrip.	'4768992/gb|AAD29709.1|AF140496_1 2.0e-65 (AF140496) cholinephosphate cytidylyltransferase [Oryza sativa]'		
Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7585	Strand	+
Start	719	End	3426
Name	OJ990402_32.9819.C11.o2.gp	Method	AAT/GAP
Start	719	End	1083

GI	700761	Score	413
Exons	719..834, 973..1083		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7585	Strand	+
Start	719	End	3426
Name	OJ990402_32.9819.C11.o1.gs	Method	GENSCAN
Start	751	End	3426
GI	none	Score	.8
Exons	751..834, 973..1282, 2280..2393, 2589..2747, 3093..3222, 3420..3426		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7585	Strand	+
Start	719	End	3426
Name	OJ990402_32.9819.C11.o3.gp	Method	AAT/GAP
Start	2034	End	3177
GI	LIB3431-043-P1-K1-B4	Score	803
Exons	2034..2145, 2280..2389, 2589..2766, 3093..3177		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 1.0e-44 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7586	Strand	+
Start	3466	End	3803
Name	OJ990402_32.9819.C11.o4.gp	Method	AAT/GAP
Start	3466	End	3803
GI	5455606	Score	672
Exons	3466..3803		
GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-44 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7587	Strand	+
Start	3958	End	4193
Name	OJ990402_32.9819.C11.o5.gp	Method	AAT/GAP
Start	3958	End	4193
GI	6025027	Score	421
Exons	3958..4193		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	970	End	1666
GI	none	Score	136
Exons	970..1101, 999..1112, 1081..1188, 1089..1277, 1382..1519, 1383..1535, 1407..1559, 1585..1665, 1589..1666, 1590..1655		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1506	End	4096
GI	none	Score	110
Exons	1506..1655, 1506..1673, 1592..1669, 2030..2146, 2030..2146, 2031..2168, 2268..2321, 2275..2388, 2278..2391, 2279..2392,		

2586..2756, 2586..2666, 2588..2767, 2588..2767, 2718..2768, 3088..3222, 3092..3220, 3946..4095, 3947..4096

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	2348	End	4096
GI	none	Score	58
Exons	2348..2392, 2586..2720, 2588..2731, 3112..3222, 3113..3220, 3946..4095, 3947..4096		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	2586	End	4096
GI	none	Score	213
Exons	2586..2756, 2588..2767, 3088..3222, 3092..3220, 3946..4095, 3947..4096		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o2.gs	Method	GENSCAN
Start	4513	End	5703
GI	none	Score	.48
Exons	4513..5703		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	4528	End	4911
GI	none	Score	121
Exons	4528..4755, 4735..4911		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o1.np	Method	AAT/NAP
Start	4826	End	5693
GI	2191130	Score	285
Exons	4826..5693		
GI Descrip.	(AF007269) A_IG002N01.7 gene product [Arabidopsis thaliana]		

Seq. No.	3565	Seq. ID	OJ990402_32.9819.C11
Gene No.	7588	Strand	+
Start	4513	End	5703
Name	OJ990402_32.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	5058	End	5624
GI	none	Score	358
Exons	5058..5225, 5059..5358, 5149..5280, 5304..5432, 5358..5624, 5359..5622		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7589	Strand	+

Start	1301	End	3196
Name	OJ990402_32.9819.C12.o1.gs	Method	GENSCAN
Start	1301	End	3196
GI	none	Score	.94
Exons	1301..3196		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7590	Strand	+
Start	12481	End	17820
Name	OJ990402_32.9819.C12.o4.gs	Method	GENSCAN
Start	12481	End	17820
GI	none	Score	.62
Exons	12481..12589, 12760..12776, 13466..14659, 14683..14745, 14833..14901, 14989..15057, 15144..15227, 15313..15543, 15620..15657, 15732..15785, 15841..16033, 16396..16524, 17353..17820		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7590	Strand	+
Start	12481	End	17820
Name	OJ990402_32.9819.C12.o3.np	Method	AAT/NAP
Start	13543	End	16638
GI	4467124	Score	578
Exons	13543..14603, 15888..16037, 16606..16638		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7591	Strand	-
Start	7028	End	10524
Name	OJ990402_32.9819.C12.o3.gs	Method	GENSCAN
Start	7028	End	10498
GI	none	Score	1
Exons	7028..10498		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7591	Strand	-
Start	7028	End	10524
Name	OJ990402_32.9819.C12.o2.np	Method	AAT/NAP
Start	7031	End	10524
GI	6714431	Score	4466
Exons	7031..7735, 7823..10524		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7592	Strand	-
Start	16085	End	19976
Name	OJ990402_32.9819.C12.o4.np	Method	AAT/NAP
Start	16085	End	19856
GI	1885385	Score	175
Exons	16085..16101, 19453..19856		
GI Descrip.	(U87863) SNAP-25 interacting protein hrs-2 [Rattus norvegicus]		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7592	Strand	-
Start	16085	End	19976
Name	OJ990402_32.9819.C12.o5.gs	Method	GENSCAN

Start	18266	End	19976
GI	none	Score	.87
Exons	18266..18646, 18884..19147, 19458..19976		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o5.tc	Method	TBLASTX:Cress
Start	1796	End	3064
GI	none	Score	58
Exons	1796..2053, 2039..2386, 2081..2293, 2129..2416, 2168..2395, 2423..2602, 2441..2800, 2501..2692, 2651..2992, 2711..2908, 2756..3064, 2795..3037		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	1817	End	3082
GI	none	Score	106
Exons	1817..2344, 2009..2368, 2012..2395, 2120..2416, 2441..2854, 2444..2992, 2495..2968, 2762..3082		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	7026	End	8288
GI	none	Score	34
Exons	7026..7058, 7028..7063, 7073..7741, 7074..7724, 7823..8278, 7824..8288		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	7071	End	9802
GI	none	Score	98
Exons	7071..7328, 7079..7327, 8481..8594, 8483..8608, 8600..8791, 8601..8822, 8870..8899, 8915..8962, 8937..8963, 9101..9463, 9117..9464, 9494..9652, 9701..9802		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	7085	End	7988
GI	none	Score	102
Exons	7085..7378, 7086..7238, 7103..7246, 7281..7349, 7382..7741, 7398..7541, 7823..7987, 7860..7988		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	7163	End	7310
GI	none	Score	189

Exons	7163..7309, 7167..7310		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	7311	End	7697
GI	none	Score	345
Exons	7311..7697, 7313..7696		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	7329	End	8480
GI	none	Score	174
Exons	7329..7547, 7331..7669, 7608..7667, 7671..7730, 7673..7741, 7829..8287, 7830..8288, 8369..8479, 8394..8480		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	7926	End	8279
GI	none	Score	333
Exons	7926..8279, 7931..8278		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	7992	End	8893
GI	none	Score	349
Exons	7992..8288, 7994..8287, 8358..8891, 8369..8893		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	8396	End	8792
GI	none	Score	137
Exons	8396..8593, 8403..8600, 8600..8791, 8601..8792		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	8447	End	8813
GI	none	Score	435
Exons	8447..8809, 8448..8813		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	8870	End	9632
GI	none	Score	123

Exons	8870..9004, 8871..9005, 8970..9632, 9026..9631		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	8894	End	9439
GI	none	Score	111
Exons	8894..9007, 8895..9008, 8970..9278, 9026..9274, 9275..9439, 9276..9437		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	9101	End	9289
GI	none	Score	128
Exons	9101..9289, 9108..9275		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o5.ts	Method	TBLASTX:Soybean
Start	10076	End	10430
GI	none	Score	82
Exons	10076..10189, 10077..10190, 10188..10280, 10190..10276, 10286..10429, 10290..10430		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o4.tc	Method	TBLASTX:Cress
Start	14087	End	14401
GI	none	Score	212
Exons	14087..14401		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	14093	End	14479
GI	none	Score	275
Exons	14093..14479, 14197..14325		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o6.ts	Method	TBLASTX:Soybean
Start	14153	End	14476
GI	none	Score	304
Exons	14153..14476, 14192..14476		
Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	18287	End	19986

GI	none	Score	118
Exons	18287..18382, 18416..18649, 18416..18583, 18417..18692, 18480..18647, 18875..18982, 18883..18942, 18888..18998, 19001..19150, 19072..19176, 19083..19148, 19458..19832, 19458..19856, 19848..19979, 19848..19976, 19849..19986		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	18320	End	19976
GI	none	Score	151
Exons	18320..18391, 18488..18583, 18501..18692, 18501..18650, 18875..18994, 18888..18980, 19016..19150, 19083..19148, 19458..19976, 19458..19976		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	19722	End	20028
GI	none	Score	137
Exons	19722..19988, 19723..20028		

Seq. No.	3566	Seq. ID	OJ990402_32.9819.C12
Gene No.	7593	Strand	-
Start	22799	End	22917
Name	OJ990402_32.9819.C12.o6.gs	Method	GENSCAN
Start	22799	End	22917
GI	none	Score	.99
Exons	22799..22917		

Seq. No.	3567	Seq. ID	OJ990402_32.9819.C13
Gene No.	7594	Strand	-
Start	747	End	1161
Name	OJ990402_32.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	733	End	1067
GI	none	Score	160
Exons	733..861, 746..844, 747..860, 938..1066, 939..1067		

Seq. No.	3567	Seq. ID	OJ990402_32.9819.C13
Gene No.	7594	Strand	-
Start	747	End	1161
Name	OJ990402_32.9819.C13.o1.gs	Method	GENSCAN
Start	747	End	1030
GI	none	Score	.92
Exons	747..860, 941..1030		

Seq. No.	3567	Seq. ID	OJ990402_32.9819.C13
Gene No.	7594	Strand	-
Start	747	End	1161
Name	OJ990402_32.9819.C13.o1.np	Method	AAT/NAP
Start	747	End	1161
GI	3914370	Score	213
Exons	747..860, 941..1060, 1130..1161		
GI Descrip.	GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE PRECURSOR (GPAT) gi|419754|pir||S31083 glycerol-3-phosphate O-acyltransferase (EC		

2.3.1.15) precursor - Arabidopsis thaliana gi|217845|dbj|BAA00575.1| (D00672) glycerol-3-phosphate acyltransferase [Arabidopsis thaliana] gi|217847|dbj|BAA00576.1| (D00673) glycerol-3-phosphate acyltransferase precursor [Arabidopsis thaliana]

Seq. No.	3567	Seq. ID	OJ990402_32.9819.C13
Gene No.	7594	Strand	-
Start	747	End	1161
Name	OJ990402_32.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	747	End	1072
GI	none	Score	61
Exons	747..860, 772..864, 938..1060, 939..1061, 947..1072		

Seq. No.	3568	Seq. ID	OJ990402_32.9819.C14
Gene No.	7595	Strand	+
Start	155	End	409
Name	OJ990402_32.9819.C14.o1.gs	Method	GENSCAN
Start	155	End	409
GI	none	Score	.58
Exons	155..409		

Seq. No.	3569	Seq. ID	OJ990402_32.9819.C15
Gene No.	7596	Strand	-
Start	123	End	575
Name	OJ990402_32.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	26	End	575
GI	none	Score	177
Exons	26..316, 66..410, 67..414, 79..414, 404..487, 406..486, 408..533, 432..509, 501..575		

Seq. No.	3569	Seq. ID	OJ990402_32.9819.C15
Gene No.	7596	Strand	-
Start	123	End	575
Name	OJ990402_32.9819.C15.o1.gs	Method	GENSCAN
Start	123	End	390
GI	none	Score	.41
Exons	123..390		

Seq. No.	3569	Seq. ID	OJ990402_32.9819.C15
Gene No.	7596	Strand	-
Start	123	End	575
Name	OJ990402_32.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	238	End	563
GI	none	Score	163
Exons	238..411, 241..408, 404..547, 408..563, 411..563		

Seq. No.	3570	Seq. ID	OJ990402_32.9819.C16
Gene No.	7597	Strand	-
Start	1	End	2562
Name	OJ990402_32.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	2562
GI	130325	Score	508
Exons	1..90, 198..259, 356..457, 1164..1221, 1715..1812, 1902..1988, 2071..2168, 2430..2562		
GI Descrip.	GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE PRECURSOR (GPAT) gi|81574|pir||S01660 glycerol-3-phosphate O-acyltransferase (EC		

2.3.1.15) precursor - winter crookneck squash gi|18065|emb|CAA68740| (Y00771) protein precursor [Cucurbita moschata]

Seq. No.	3570	Seq. ID	OJ990402_32.9819.C16
Gene No.	7597	Strand	-
Start	1	End	2562
Name	OJ990402_32.9819.C16.o1.gp	Method	AAT/GAP
Start	1902	End	2517
GI	uC-osflcyp155d01b1	Score	411
Exons	1902..1988, 2071..2168, 2430..2517		
GI Descrip.	'3608517 9.0e-27 (AF090735) putative glycerol-3-phosphate acyltransferase [Cucurbita ficifolia]'		

Seq. No.	3570	Seq. ID	OJ990402_32.9819.C16
Gene No.	7598	Strand	-
Start	7837	End	8138
Name	OJ990402_32.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	25	End	2169
GI	none	Score	63
Exons	25..93, 42..110, 189..254, 197..253, 356..457, 357..458, 1164..1223, 1712..1810, 1714..1827, 1720..1851, 2068..2169		

Seq. No.	3570	Seq. ID	OJ990402_32.9819.C16
Gene No.	7598	Strand	-
Start	7837	End	8138
Name	OJ990402_32.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	1164	End	1828
GI	none	Score	78
Exons	1164..1223, 1168..1224, 1686..1814, 1711..1815, 1712..1828, 1714..1827		

Seq. No.	3570	Seq. ID	OJ990402_32.9819.C16
Gene No.	7598	Strand	-
Start	7837	End	8138
Name	OJ990402_32.9819.C16.o2.gp	Method	AAT/GAP
Start	7837	End	8138
GI	none	Score	472
Exons	7837..8138		

Seq. No.	3571	Seq. ID	OJ990402_28.9819.C2
Gene No.	7599	Strand	+
Start	1	End	697
Name	OJ990402_28.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	697
GI	6016707	Score	306
Exons	1..26, 499..697		
GI Descrip.	(AC009325) putative thylakoid lumen rotamase [Arabidopsis thaliana]		

Seq. No.	3571	Seq. ID	OJ990402_28.9819.C2
Gene No.	7599	Strand	+
Start	1	End	697
Name	OJ990402_28.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	483	End	640
GI	none	Score	241
Exons	483..587, 491..640, 492..638		

Seq. No.	3571	Seq. ID	OJ990402_28.9819.C2
Gene No.	7599	Strand	+
Start	1	End	697
Name	OJ990402_28.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	488	End	629
GI	none	Score	79
Exons	488..628, 491..607, 495..629		

Seq. No.	3571	Seq. ID	OJ990402_28.9819.C2
Gene No.	7599	Strand	+
Start	1	End	697
Name	OJ990402_28.9819.C2.o1.gs	Method	GENSCAN
Start	494	End	689
GI	none	Score	.89
Exons	494..689		

Seq. No.	3571	Seq. ID	OJ990402_28.9819.C2
Gene No.	7599	Strand	+
Start	1	End	697
Name	OJ990402_28.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	578	End	695
GI	none	Score	188
Exons	578..694, 579..695		

Seq. No.	3572	Seq. ID	OJ990402_28.9819.C3
Gene No.	7600	Strand	-
Start	1	End	717
Name	OJ990402_28.9819.C3.o1.gp	Method	AAT/GAP
Start	1	End	717
GI	342_1.R1084	Score	1220
Exons	1..717		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	3572	Seq. ID	OJ990402_28.9819.C3
Gene No.	7600	Strand	-
Start	1	End	717
Name	OJ990402_28.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	634
GI	6742729	Score	978
Exons	1..634		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	3572	Seq. ID	OJ990402_28.9819.C3
Gene No.	7600	Strand	-
Start	1	End	717
Name	OJ990402_28.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	43	End	481
GI	none	Score	53
Exons	43..195, 229..348, 229..351, 350..469, 353..481		

Seq. No.	3572	Seq. ID	OJ990402_28.9819.C3
Gene No.	7600	Strand	-
Start	1	End	717
Name	OJ990402_28.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	62	End	526

GI	none	Score	99
Exons	62..190, 62..187, 67..195, 152..265, 187..288, 196..267, 267..350, 268..351, 269..352, 368..472, 372..461, 473..526, 474..518		

Seq. No.	3572	Seq. ID	OJ990402_28.9819.C3
Gene No.	7600	Strand	-
Start	1	End	717
Name	OJ990402_28.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	353	End	662
GI	none	Score	75
Exons	353..655, 375..470, 510..662		

Seq. No.	3572	Seq. ID	OJ990402_28.9819.C3
Gene No.	7600	Strand	-
Start	1	End	717
Name	OJ990402_28.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	395	End	691
GI	none	Score	121
Exons	395..691, 413..637, 414..659		

Seq. No.	3573	Seq. ID	OJ990402_28.9819.C5
Gene No.	7601	Strand	+
Start	5358	End	8782
Name	OJ990402_28.9819.C5.o2.gs	Method	GENSCAN
Start	5358	End	8782
GI	none	Score	.43
Exons	5358..5432, 7186..7326, 8440..8549, 8606..8782		

Seq. No.	3573	Seq. ID	OJ990402_28.9819.C5
Gene No.	7602	Strand	-
Start	1095	End	2895
Name	OJ990402_28.9819.C5.o1.gs	Method	GENSCAN
Start	1095	End	2895
GI	none	Score	.5
Exons	1095..1142, 1851..1962, 2798..2895		

Seq. No.	3574	Seq. ID	OJ990402_28.9819.C6
Gene No.	7603	Strand	+
Start	366	End	6004
Name	OJ990402_28.9819.C6.o1.gs	Method	GENSCAN
Start	366	End	6004
GI	none	Score	.54
Exons	366..444, 2781..2918, 4519..5195, 5882..6004		

Seq. No.	3574	Seq. ID	OJ990402_28.9819.C6
Gene No.	7603	Strand	+
Start	366	End	6004
Name	OJ990402_28.9819.C6.o1.gp	Method	AAT/GAP
Start	4541	End	5018
GI	34656_1.R1084	Score	937
Exons	4541..5018		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	3574	Seq. ID	OJ990402_28.9819.C6
Gene No.	7603	Strand	+

Start	366	End	6004
Name	OJ990402_28.9819.C6.o2.gp	Method	AAT/GAP
Start	5330	End	5684
GI	3061011	Score	706
Exons	5330..5684		

Seq. No.	3574	Seq. ID	OJ990402_28.9819.C6
Gene No.	7604	Strand	+
Start	7091	End	10547
Name	OJ990402_28.9819.C6.o2.gs	Method	GENSCAN
Start	7091	End	10547
GI	none	Score	.8
Exons	7091..7443, 7536..7626, 10372..10547		

Seq. No.	3574	Seq. ID	OJ990402_28.9819.C6
Gene No.	7604	Strand	+
Start	7091	End	10547
Name	OJ990402_28.9819.C6.o3.gp	Method	AAT/GAP
Start	9184	End	9653
GI	3760640	Score	108
Exons	9184..9209, 9586..9653		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	3575	Seq. ID	OJ990402_28.9819.C7
Gene No.	7605	Strand	+
Start	921	End	2730
Name	OJ990402_28.9819.C7.o1.gs	Method	GENSCAN
Start	921	End	2730
GI	none	Score	.59
Exons	921..1066, 2313..2460, 2602..2730		

Seq. No.	3575	Seq. ID	OJ990402_28.9819.C7
Gene No.	7606	Strand	+
Start	5115	End	7744
Name	OJ990402_28.9819.C7.o2.gs	Method	GENSCAN
Start	5115	End	7744
GI	none	Score	.45
Exons	5115..5168, 5336..5510, 6851..6961, 7551..7744		

Seq. No.	3575	Seq. ID	OJ990402_28.9819.C7
Gene No.	7607	Strand	-
Start	1	End	107
Name	OJ990402_28.9819.C7.o1.gp	Method	AAT/GAP
Start	1	End	107
GI	LIB3477-003-P1-K1-E9	Score	182
Exons	1..107		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3576	Seq. ID	OJ990402_28.9819.C8
Gene No.	7608	Strand	-
Start	25	End	446
Name	OJ990402_28.9819.C8.o1.gs	Method	GENSCAN
Start	25	End	446
GI	none	Score	.71

Exons	25..157, 370..446		
Seq. No.	3576	Seq. ID	OJ990402_28.9819.C8
Gene No.	7609	Strand	-
Start	685	End	756
Name	OJ990402_28.9819.C8.o1.gp	Method	AAT/GAP
Start	685	End	756
GI	72424_1.R1084	Score	78
Exons	685..756		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		
Seq. No.	3577	Seq. ID	OJ990402_28.9819.C10
Gene No.	7610	Strand	+
Start	650	End	777
Name	OJ990402_28.9819.C10.o1.gs	Method	GENSCAN
Start	650	End	777
GI	none	Score	.91
Exons	650..777		
Seq. No.	3578	Seq. ID	OJ990502_20.9819.C1
Gene No.	7611	Strand	-
Start	202	End	758
Name	OJ990502_20.9819.C1.o1.np	Method	AAT/NAP
Start	202	End	758
GI	6907087	Score	229
Exons	202..301, 382..758		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3578	Seq. ID	OJ990502_20.9819.C1
Gene No.	7611	Strand	-
Start	202	End	758
Name	OJ990502_20.9819.C1.o1.gs	Method	GENSCAN
Start	390	End	704
GI	none	Score	.8
Exons	390..704		
Seq. No.	3579	Seq. ID	OJ990502_20.9819.C2
Gene No.	7612	Strand	+
Start	211	End	945
Name	OJ990502_20.9819.C2.o1.gs	Method	GENSCAN
Start	211	End	945
GI	none	Score	.81
Exons	211..428, 647..945		
Seq. No.	3580	Seq. ID	OJ990502_20.9819.C3
Gene No.	7613	Strand	-
Start	302	End	938
Name	OJ990502_20.9819.C3.o1.gs	Method	GENSCAN
Start	302	End	938
GI	none	Score	.44
Exons	302..412, 670..722, 914..938		
Seq. No.	3581	Seq. ID	OJ990502_20.9819.C4
Gene No.	7614	Strand	+

Start	992	End	1259
Name	OJ990502_20.9819.C4.o1.gs	Method	GENSCAN
Start	992	End	1259
GI	none	Score	.7
Exons	992..1259		

Seq. No.	3581	Seq. ID	OJ990502_20.9819.C4
Gene No.	7615	Strand	-
Start	1	End	1580
Name	OJ990502_20.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1580
GI	3935149	Score	141
Exons	1..166, 295..545, 1553..1580		
GI Descrip.	(AC005106) T25N20.13 [Arabidopsis thaliana]		

Seq. No.	3581	Seq. ID	OJ990502_20.9819.C4
Gene No.	7615	Strand	-
Start	1	End	1580
Name	OJ990502_20.9819.C4.o2.np	Method	AAT/NAP
Start	1143	End	1217
GI	5922630	Score	41
Exons	1143..1217		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3582	Seq. ID	OJ990502_20.9819.C5
Gene No.	7616	Strand	+
Start	1	End	15687
Name	OJ990502_20.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	15687
GI	5852175	Score	132
Exons	1..57, 8441..8583, 9204..9252, 9828..9936, 15609..15687		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	3582	Seq. ID	OJ990502_20.9819.C5
Gene No.	7616	Strand	+
Start	1	End	15687
Name	OJ990502_20.9819.C5.o1.gs	Method	GENSCAN
Start	501	End	8722
GI	none	Score	.68
Exons	501..585, 1543..1897, 2538..2613, 3711..3912, 4008..4076, 4766..4886, 5308..5399, 6870..7028, 7827..7839, 7983..8031, 8120..8722		

Seq. No.	3582	Seq. ID	OJ990502_20.9819.C5
Gene No.	7616	Strand	+
Start	1	End	15687
Name	OJ990502_20.9819.C5.o1.gp	Method	AAT/GAP
Start	8724	End	9457
GI	101153_1.R1084	Score	338
Exons	8724..8745, 9204..9457		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3582	Seq. ID	OJ990502_20.9819.C5
Gene No.	7617	Strand	-
Start	9242	End	12564
Name	OJ990502_20.9819.C5.o2.gs	Method	GENSCAN
Start	9242	End	12564
GI	none	Score	.65
Exons	9242..9338, 10643..10753, 11711..11733, 12253..12564		

Seq. No.	3582	Seq. ID	OJ990502_20.9819.C5
Gene No.	7618	Strand	-
Start	13014	End	14419
Name	OJ990502_20.9819.C5.o2.np	Method	AAT/NAP
Start	13014	End	14419
GI	6815052	Score	152
Exons	13014..13079, 14147..14229, 14269..14419		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7619	Strand	+
Start	63	End	1158
Name	OJ990502_20.9819.C6.o1.np	Method	AAT/NAP
Start	63	End	1158
GI	484643	Score	63
Exons	63..137, 634..739, 1102..1158		
GI Descrip.	proline-rich cell wall protein - carrot gi|470322 (L01775) proline-rich protein [Daucus carota]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7620	Strand	+
Start	1309	End	3703
Name	OJ990502_20.9819.C6.o3.np	Method	AAT/NAP
Start	1309	End	3703
GI	4680500	Score	424
Exons	1309..1448, 3000..3703		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7620	Strand	+
Start	1309	End	3703
Name	OJ990502_20.9819.C6.o2.np	Method	AAT/NAP
Start	1615	End	3703
GI	4680341	Score	432
Exons	1615..1659, 3006..3703		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7620	Strand	+
Start	1309	End	3703
Name	OJ990502_20.9819.C6.o1.gs	Method	GENSCAN
Start	2648	End	3619
GI	none	Score	.81
Exons	2648..3619		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7621	Strand	+
Start	9172	End	17301
Name	OJ990502_20.9819.C6.o5.np	Method	AAT/NAP

Start	9172	End	13925
GI	82753	Score	45
Exons	9172..9218, 12003..12109, 13892..13925		
GI Descrip.	hypothetical protein 3 - maize mitochondrion plasmid S-1		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7621	Strand	+
Start	9172	End	17301
Name	OJ990502_20.9819.C6.o4.gs	Method	GENSCAN
Start	12032	End	17301
GI	none	Score	.52
Exons	12032..12202, 12984..13069, 14272..14356, 14450..14628, 16120..16234, 16277..16415, 16880..16989, 17191..17301		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7621	Strand	+
Start	9172	End	17301
Name	OJ990502_20.9819.C6.o6.np	Method	AAT/NAP
Start	12295	End	14532
GI	5852180	Score	61
Exons	12295..12384, 14515..14532		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7621	Strand	+
Start	9172	End	17301
Name	OJ990502_20.9819.C6.o7.np	Method	AAT/NAP
Start	13188	End	13622
GI	6539570	Score	83
Exons	13188..13399, 13556..13622		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7622	Strand	-
Start	6030	End	10451
Name	OJ990502_20.9819.C6.o4.np	Method	AAT/NAP
Start	4731	End	9450
GI	6721557	Score	124
Exons	4731..4839, 5053..5191, 9383..9450		
GI Descrip.	(AP001073) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC T20B5 genomic sequence; hypothetical protein. (AC002409) [Oryza sativa] gi|6815082|dbj|BAA90368.1| (AP001081) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chrom		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7622	Strand	-
Start	6030	End	10451
Name	OJ990502_20.9819.C6.o2.gs	Method	GENSCAN
Start	6030	End	6626
GI	none	Score	.82
Exons	6030..6626		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7622	Strand	-
Start	6030	End	10451

Name	OJ990502_20.9819.C6.o1.gp	Method	AAT/GAP
Start	6285	End	6564
GI	1632706	Score	539
Exons	6285..6564		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7622	Strand	-
Start	6030	End	10451
Name	OJ990502_20.9819.C6.o2.gp	Method	AAT/GAP
Start	8198	End	8931
GI	none	Score	719
Exons	8198..8522, 8842..8931		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7622	Strand	-
Start	6030	End	10451
Name	OJ990502_20.9819.C6.o3.gs	Method	GENSCAN
Start	8472	End	10451
GI	none	Score	.65
Exons	8472..8522, 8842..8958, 9353..9699, 10308..10376, 10412..10451		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7622	Strand	-
Start	6030	End	10451
Name	OJ990502_20.9819.C6.o3.gp	Method	AAT/GAP
Start	9276	End	9830
GI	none	Score	1012
Exons	9276..9830		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7623	Strand	-
Start	13685	End	14130
Name	OJ990502_20.9819.C6.o8.np	Method	AAT/NAP
Start	13685	End	14130
GI	6539570	Score	178
Exons	13685..13755, 13940..14130		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7624	Strand	-
Start	14266	End	14371
Name	OJ990502_20.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2762	End	3733
GI	none	Score	71
Exons	2762..2848, 2957..3103, 3212..3406, 3226..3405, 3425..3601, 3427..3600, 3606..3689, 3701..3733		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7624	Strand	-
Start	14266	End	14371
Name	OJ990502_20.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	3205	End	3689
GI	none	Score	179
Exons	3205..3408, 3206..3406, 3425..3601, 3427..3600, 3603..3689, 3612..3677		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6

Gene No.	7624	Strand	-
Start	14266	End	14371
Name	OJ990502_20.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	3314	End	3689
GI	none	Score	78
Exons	3314..3424, 3428..3601, 3612..3689		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7624	Strand	-
Start	14266	End	14371
Name	OJ990502_20.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	3428	End	3689
GI	none	Score	155
Exons	3428..3604, 3436..3603, 3605..3670, 3606..3689		

Seq. No.	3583	Seq. ID	OJ990502_20.9819.C6
Gene No.	7624	Strand	-
Start	14266	End	14371
Name	OJ990502_20.9819.C6.o9.np	Method	AAT/NAP
Start	14266	End	14371
GI	6630699	Score	87
Exons	14266..14371		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3584	Seq. ID	OJ990502_20.9819.C7
Gene No.	7625	Strand	+
Start	490	End	772
Name	OJ990502_20.9819.C7.o1.np	Method	AAT/NAP
Start	490	End	772
GI	2498930	Score	95
Exons	490..566, 734..772		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3584	Seq. ID	OJ990502_20.9819.C7
Gene No.	7625	Strand	+
Start	490	End	772
Name	OJ990502_20.9819.C7.o1.gs	Method	GENSCAN
Start	507	End	566
GI	none	Score	.94
Exons	507..566		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7626	Strand	+
Start	1	End	4345
Name	OJ990502_20.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	916
GI	3935149	Score	272
Exons	1..20, 229..916		
GI Descrip.	(AC005106) T25N20.13 [Arabidopsis thaliana]		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7626	Strand	+
Start	1	End	4345
Name	OJ990502_20.9819.C9.o1.gs	Method	GENSCAN

Start	376	End	4345
GI	none	Score	.63
Exons	376..412, 2716..2943, 3117..4345		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7626	Strand	+
Start	1	End	4345
Name	OJ990502_20.9819.C9.o2.np	Method	AAT/NAP
Start	3183	End	4297
GI	4680338	Score	594
Exons	3183..3965, 3993..4297		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7627	Strand	+
Start	9268	End	9945
Name	OJ990502_20.9819.C9.o3.np	Method	AAT/NAP
Start	9268	End	9945
GI	3935149	Score	358
Exons	9268..9844, 9881..9945		
GI Descrip.	(AC005106) T25N20.13 [Arabidopsis thaliana]		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7628	Strand	+
Start	20052	End	25945
Name	OJ990502_20.9819.C9.o7.np	Method	AAT/NAP
Start	20052	End	25945
GI	5091513	Score	493
Exons	20052..20103, 24292..24512, 25178..25945		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7628	Strand	+
Start	20052	End	25945
Name	OJ990502_20.9819.C9.o7.gs	Method	GENSCAN
Start	24162	End	25660
GI	none	Score	.57
Exons	24162..24241, 24286..24575, 25209..25660		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7629	Strand	+
Start	26800	End	28067
Name	OJ990502_20.9819.C9.o8.gs	Method	GENSCAN
Start	26800	End	28067
GI	none	Score	.64
Exons	26800..26846, 27224..27338, 27876..28067		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7630	Strand	+
Start	31606	End	32890
Name	OJ990502_20.9819.C9.o10.gs	Method	GENSCAN
Start	31606	End	32890
GI	none	Score	.8
Exons	31606..31645, 31961..32105, 32230..32890		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7631	Strand	-

Start	4426	End	5005
Name	OJ990502_20.9819.C9.o2.gs	Method	GENSCAN
Start	4426	End	5005
GI	none	Score	.65
Exons	4426..4520, 4912..5005		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7632	Strand	-
Start	5538	End	5797
Name	OJ990502_20.9819.C9.o1.gp	Method	AAT/GAP
Start	5538	End	5797
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	5538..5797		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7633	Strand	-
Start	6194	End	9153
Name	OJ990502_20.9819.C9.o3.gs	Method	GENSCAN
Start	6194	End	9153
GI	none	Score	.75
Exons	6194..6375, 7587..7799, 7928..8095, 9060..9153		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7634	Strand	-
Start	13920	End	17015
Name	OJ990502_20.9819.C9.o4.np	Method	AAT/NAP
Start	13920	End	17015
GI	629561	Score	146
Exons	13920..13973, 15128..15507, 16967..17015		
GI Descrip.	SRG1 protein - Arabidopsis thaliana gi|479047|emb|CAA55654| (X79052) SRG1 [Arabidopsis thaliana] gi|5734767|gb|AAD50032.1|AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7635	Strand	-
Start	20581	End	23875
Name	OJ990502_20.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	3236	End	4279
GI	none	Score	63
Exons	3236..3304, 3320..3502, 3539..3607, 3668..3976, 3799..3945, 4019..4279, 4021..4278		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7635	Strand	-
Start	20581	End	23875
Name	OJ990502_20.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	3668	End	4279
GI	none	Score	244
Exons	3668..3976, 3830..3955, 4019..4279, 4021..4278		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7635	Strand	-
Start	20581	End	23875
Name	OJ990502_20.9819.C9.o1.tc	Method	TBLASTX:Cress

Start	3878	End	4305
GI	none	Score	89
Exons	3878..4003, 4022..4279, 4117..4305		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7635	Strand	-
Start	20581	End	23875
Name	OJ990502_20.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	3893	End	4279
GI	none	Score	84
Exons	3893..3961, 4022..4195, 4205..4279		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7635	Strand	-
Start	20581	End	23875
Name	OJ990502_20.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	19526	End	19733
GI	none	Score	42
Exons	19526..19543, 19553..19672, 19554..19733, 19554..19730		

Seq. No.	3585	Seq. ID	OJ990502_20.9819.C9
Gene No.	7635	Strand	-
Start	20581	End	23875
Name	OJ990502_20.9819.C9.o6.gs	Method	GENSCAN
Start	20581	End	23875
GI	none	Score	.87
Exons	20581..20708, 23287..23428, 23598..23710, 23824..23875		

Seq. No.	3586	Seq. ID	OJ990502_20.9819.C10
Gene No.	7636	Strand	+
Start	3021	End	8910
Name	OJ990502_20.9819.C10.o1.np	Method	AAT/NAP
Start	3021	End	4676
GI	6539588	Score	210
Exons	3021..3278, 4616..4676		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3586	Seq. ID	OJ990502_20.9819.C10
Gene No.	7636	Strand	+
Start	3021	End	8910
Name	OJ990502_20.9819.C10.o2.np	Method	AAT/NAP
Start	3101	End	8910
GI	5852180	Score	487
Exons	3101..3200, 6687..6755, 7734..7852, 7904..8313, 8872..8910		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3586	Seq. ID	OJ990502_20.9819.C10
Gene No.	7637	Strand	-
Start	6604	End	6985
Name	OJ990502_20.9819.C10.o1.gp	Method	AAT/GAP
Start	6604	End	6985
GI	uC-osflcyp033a04b1	Score	667
Exons	6604..6985		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3586	Seq. ID	OJ990502_20.9819.C10

Gene No.	7638	Strand	-
Start	7853	End	8433
Name	OJ990502_20.9819.C10.o2.gs	Method	GENSCAN
Start	7853	End	8433
GI	none	Score	.96
Exons	7853..7967, 8060..8433		

Seq. No.	3587	Seq. ID	OJ990502_20.9819.C11
Gene No.	7639	Strand	+
Start	511	End	3845
Name	OJ990502_20.9819.C11.o1.np	Method	AAT/NAP
Start	511	End	2079
GI	6539588	Score	204
Exons	511..797, 2045..2079		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3587	Seq. ID	OJ990502_20.9819.C11
Gene No.	7639	Strand	+
Start	511	End	3845
Name	OJ990502_20.9819.C11.o1.gs	Method	GENSCAN
Start	538	End	3845
GI	none	Score	.48
Exons	538..675, 787..971, 3276..3455, 3626..3845		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7640	Strand	+
Start	1	End	906
Name	OJ990402_29.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	903
GI	4680179	Score	1226
Exons	1..903		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7640	Strand	+
Start	1	End	906
Name	OJ990402_29.9819.C2.o1.gs	Method	GENSCAN
Start	70	End	906
GI	none	Score	.95
Exons	70..657, 688..906		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7641	Strand	+
Start	1611	End	2493
Name	OJ990402_29.9819.C2.o2.np	Method	AAT/NAP
Start	1611	End	2493
GI	5852178	Score	356
Exons	1611..1911, 1943..2044, 2396..2493		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7642	Strand	+
Start	3848	End	5559
Name	OJ990402_29.9819.C2.o3.np	Method	AAT/NAP
Start	3848	End	5559
GI	6907087	Score	712
Exons	3848..4218, 4264..4927, 5458..5559		

GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7643	Strand	+
Start	8471	End	9154
Name	OJ990402_29.9819.C2.o5.np	Method	AAT/NAP
Start	7796	End	9154
GI	2443320	Score	1852
Exons	7796..9154		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7643	Strand	+
Start	8471	End	9154
Name	OJ990402_29.9819.C2.o4.gs	Method	GENSCAN
Start	8471	End	9087
GI	none	Score	.55
Exons	8471..8584, 8611..9087		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7644	Strand	-
Start	1628	End	2020
Name	OJ990402_29.9819.C2.o2.gs	Method	GENSCAN
Start	1628	End	2020
GI	none	Score	1
Exons	1628..2020		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7645	Strand	-
Start	5958	End	7901
Name	OJ990402_29.9819.C2.o4.np	Method	AAT/NAP
Start	5958	End	7901
GI	4680186	Score	212
Exons	5958..6157, 7845..7901		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	58	End	525
GI	none	Score	91
Exons	58..249, 59..334, 70..525, 72..407, 465..524		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	78	End	663
GI	none	Score	229
Exons	78..233, 79..240, 238..663, 240..662		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003

Name	OJ990402_29.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	525	End	855
GI	none	Score	343
Exons	525..836, 526..855		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	667	End	913
GI	none	Score	182
Exons	667..867, 699..878, 881..913, 881..913		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	7794	End	8556
GI	none	Score	164
Exons	7794..7895, 7795..7908, 7899..8045, 7910..8011, 7914..8015, 8006..8107, 8012..8107, 8077..8211, 8090..8518, 8129..8293, 8235..8414, 8339..8473, 8344..8511, 8518..8556		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	7794	End	8194
GI	none	Score	123
Exons	7794..7907, 7795..7908, 7905..7997, 7917..8000, 7919..8050, 8015..8194, 8017..8127		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	7801	End	8188
GI	none	Score	80
Exons	7801..7905, 7897..7992, 7899..7991, 7916..7996, 7979..8086, 8015..8188		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	8486	End	9048
GI	none	Score	42
Exons	8486..8521, 8518..8892, 8911..9048		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	8512	End	9021
GI	none	Score	212
Exons	8512..8889, 8917..9021		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	8629	End	9116
GI	none	Score	438
Exons	8629..9066, 8635..9066, 8709..9068, 8943..9086, 9069..9116, 9071..9115		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o5.gs	Method	GENSCAN
Start	10101	End	17689
GI	none	Score	.44
Exons	10101..10196, 11922..12158, 12245..12330, 12920..13081, 13180..13328, 14262..14399, 15023..15083, 15673..15739, 16690..17341, 17412..17689		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o6.np	Method	AAT/NAP
Start	10821	End	14253
GI	228207	Score	65
Exons	10821..10873, 12828..13081, 13356..13439, 14214..14253		
GI Descrip.	tnp1 protein [Antirrhinum majus]		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o1.gp	Method	AAT/GAP
Start	11571	End	12477
GI	none	Score	889
Exons	11571..11837, 12062..12158, 12245..12292, 12412..12477		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	11928	End	12161
GI	none	Score	78
Exons	11928..12161, 11981..12142		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	12861	End	13082
GI	none	Score	181
Exons	12861..13082, 12874..13062, 12885..13067		

Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o7.np	Method	AAT/NAP
Start	16814	End	18003

GI	5732031	Score	286
Exons	16814..17333, 17976..18003		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		
Seq. No.	3588	Seq. ID	OJ990402_29.9819.C2
Gene No.	7646	Strand	-
Start	10101	End	18003
Name	OJ990402_29.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	17056	End	17435
GI	none	Score	97
Exons	17056..17337, 17067..17198, 17099..17287, 17226..17336, 17400..17435		
Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7647	Strand	+
Start	1229	End	6875
Name	OJ990402_29.9819.C3.o1.np	Method	AAT/NAP
Start	1229	End	6875
GI	6498441	Score	6764
Exons	1229..2292, 2623..3086, 3150..3523, 3707..3841, 4016..4256, 4449..4931, 5103..6500, 6594..6875		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o7.tw	Method	TBLASTX:Wheat
Start	1377	End	1769
GI	none	Score	58
Exons	1377..1424, 1431..1529, 1448..1528, 1496..1657, 1512..1769		
Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o6.tm	Method	TBLASTX:Maize
Start	1382	End	1667
GI	none	Score	187
Exons	1382..1666, 1419..1667		
Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	1777	End	5237
GI	none	Score	228
Exons	1777..1830, 4776..5027, 4803..5027, 4868..5041, 5088..5237, 5097..5234, 5099..5236		
Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	2507	End	2990
GI	none	Score	414
Exons	2507..2680, 2508..2990, 2702..2962		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	3158	End	3620
GI	none	Score	588
Exons	3158..3619, 3159..3620		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o5.ts	Method	TBLASTX:Soybean
Start	3198	End	3563
GI	none	Score	117
Exons	3198..3422, 3429..3563		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	3288	End	3644
GI	none	Score	392
Exons	3288..3644, 3323..3634, 3339..3644		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	3671	End	4055
GI	none	Score	357
Exons	3671..3757, 3672..4055, 3815..4036		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	3729	End	4153
GI	none	Score	484
Exons	3729..4148, 3730..3918, 3827..4153		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	3807	End	4178
GI	none	Score	278
Exons	3807..4178, 3824..3967		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o4.ts	Method	TBLASTX:Soybean
Start	4926	End	5492
GI	5666795	Score	68
Exons	4926..5024, 5100..5237, 5292..5492		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o10.tw	Method	TBLASTX:Wheat
Start	5240	End	5552
GI	none	Score	192
Exons	5240..5416, 5292..5552		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	5745	End	6068
GI	none	Score	360
Exons	5745..6068, 5774..6055		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	5882	End	6263
GI	none	Score	375
Exons	5882..5938, 5883..6263, 5984..6232		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o9.tw	Method	TBLASTX:Wheat
Start	6264	End	6866
GI	none	Score	265
Exons	6264..6548, 6265..6555, 6269..6547, 6404..6574, 6740..6862, 6741..6866		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o7.tm	Method	TBLASTX:Maize
Start	6735	End	6917
GI	none	Score	185
Exons	6735..6917, 6740..6874		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o2.gs	Method	GENSCAN
Start	7518	End	10712
GI	none	Score	.97
Exons	7518..10712		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o2.np	Method	AAT/NAP
Start	7521	End	10712
GI	6907089	Score	4087
Exons	7521..9357, 9451..10712		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o3.np	Method	AAT/NAP
Start	9961	End	12417
GI	5922623	Score	382
Exons	9961..9998, 11571..11648, 11816..11963, 12337..12417		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o5.np	Method	AAT/NAP
Start	10714	End	18060
GI	1076802	Score	133
Exons	10714..10752, 11241..11518, 16753..16987, 17639..18060		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o4.np	Method	AAT/NAP
Start	12747	End	15206
GI	5911167	Score	1530
Exons	12747..12876, 12978..15206		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	12762	End	13327
GI	none	Score	63
Exons	12762..12893, 12974..13327, 13209..13274		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	12977	End	13423
GI	none	Score	91
Exons	12977..13423, 13212..13376		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	12989	End	13390
GI	none	Score	61
Exons	12989..13144, 12989..13228, 13238..13390, 13264..13344		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o6.ts	Method	TBLASTX:Soybean
Start	13737	End	13976
GI	none	Score	77
Exons	13737..13976, 13744..13971		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	13806	End	14249
GI	none	Score	79
Exons	13806..14006, 13921..14010, 14016..14249, 14019..14084, 14100..14249		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o8.tw	Method	TBLASTX:Wheat
Start	14019	End	14306
GI	none	Score	100
Exons	14019..14306, 14116..14301		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	14094	End	14454
GI	none	Score	148
Exons	14094..14453, 14128..14454		

Seq. No.	3589	Seq. ID	OJ990402_29.9819.C3
Gene No.	7648	Strand	-
Start	7518	End	18060
Name	OJ990402_29.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	14421	End	14711
GI	none	Score	206
Exons	14421..14711		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7649	Strand	+
Start	2013	End	2387
Name	OJ990402_29.9819.C4.o1.gs	Method	GENSCAN
Start	2013	End	2387
GI	none	Score	.99
Exons	2013..2387		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7650	Strand	+
Start	4118	End	16101
Name	OJ990402_29.9819.C4.o2.gs	Method	GENSCAN
Start	4118	End	16101
GI	none	Score	.79
Exons	4118..4205, 4561..4732, 4880..5026, 6176..6383, 6734..6766, 7292..7550, 8090..8468, 9737..9955, 12563..12698, 15017..15265,		

15808..16101

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7650	Strand	+
Start	4118	End	16101
Name	OJ990402_29.9819.C4.o2.gp	Method	AAT/GAP
Start	6070	End	6561
GI	none	Score	556
Exons	6070..6382, 6539..6561		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7650	Strand	+
Start	4118	End	16101
Name	OJ990402_29.9819.C4.o1.np	Method	AAT/NAP
Start	7280	End	16098
GI	1363377	Score	555
Exons	7280..7550, 8090..8468, 9737..9955, 12563..12698, 15014..15270, 15816..16098		
GI Descrip.	vetispiradiene synthase 1 - Hyoscyamus muticus (fragment) gi|763423 (U20188) vetispiradiene synthase [Hyoscyamus muticus]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7651	Strand	+
Start	17277	End	21542
Name	OJ990402_29.9819.C4.o3.gs	Method	GENSCAN
Start	17277	End	21542
GI	none	Score	.71
Exons	17277..17337, 20190..20701, 20737..20879, 20899..21192, 21243..21314, 21347..21542		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7652	Strand	+
Start	21763	End	22494
Name	OJ990402_29.9819.C4.o4.gp	Method	AAT/GAP
Start	21763	End	22494
GI	101153_1.R1084	Score	359
Exons	21763..21792, 22268..22494		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7653	Strand	+
Start	23494	End	23765
Name	OJ990402_29.9819.C4.o5.gp	Method	AAT/GAP
Start	23494	End	23765
GI	61605_1.R1084	Score	426
Exons	23494..23765		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7654	Strand	+
Start	41977	End	45865
Name	OJ990402_29.9819.C4.o8.gs	Method	GENSCAN
Start	41977	End	45865
GI	none	Score	.47
Exons	41977..42339, 42379..42510, 42581..43694, 43752..44876,		

45029..45280, 45558..45865

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7654	Strand	+
Start	41977	End	45865
Name	OJ990402_29.9819.C4.o5.np	Method	AAT/NAP
Start	42319	End	45439
GI	5902445	Score	2959
Exons	42319..44155, 44195..45439		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7655	Strand	+
Start	48717	End	54088
Name	OJ990402_29.9819.C4.o8.np	Method	AAT/NAP
Start	48717	End	52317
GI	2342425	Score	257
Exons	48717..48850, 50661..50777, 50943..51100, 51269..51351, 51450..51525, 51914..52004, 52168..52317		
GI Descrip.	(AB000798) NPK1-related protein kinase 2 [Arabidopsis thaliana]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7655	Strand	+
Start	48717	End	54088
Name	OJ990402_29.9819.C4.o10.gs	Method	GENSCAN
Start	49452	End	54088
GI	none	Score	.67
Exons	49452..49513, 50509..50599, 51897..52004, 52171..52325, 53986..54088		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7656	Strand	+
Start	56563	End	56817
Name	OJ990402_29.9819.C4.o11.gs	Method	GENSCAN
Start	56563	End	56817
GI	none	Score	.94
Exons	56563..56817		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7657	Strand	-
Start	291	End	465
Name	OJ990402_29.9819.C4.o1.gp	Method	AAT/GAP
Start	291	End	465
GI	10431_1.R1084	Score	303
Exons	291..465		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7658	Strand	-
Start	15001	End	15412
Name	OJ990402_29.9819.C4.o3.gp	Method	AAT/GAP
Start	15001	End	15412
GI	uC-osflcyp091c10a1	Score	788
Exons	15001..15412		
GI Descrip.	'3970689/emb|CAA77191| 2.0e-09 (Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]'		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7659	Strand	-
Start	31846	End	32250
Name	OJ990402_29.9819.C4.o2.np	Method	AAT/NAP
Start	31846	End	32250
GI	2462640	Score	493
Exons	31846..32250		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7660	Strand	-
Start	33284	End	33401
Name	OJ990402_29.9819.C4.o3.np	Method	AAT/NAP
Start	33284	End	33401
GI	6721512	Score	81
Exons	33284..33401		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7661	Strand	-
Start	36559	End	36940
Name	OJ990402_29.9819.C4.o6.gp	Method	AAT/GAP
Start	36559	End	36940
GI	uC-osflcyp033a04b1	Score	643
Exons	36559..36940		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7662	Strand	-
Start	37369	End	38297
Name	OJ990402_29.9819.C4.o6.gs	Method	GENSCAN
Start	37369	End	38297
GI	none	Score	.68
Exons	37369..37544, 37750..37819, 37950..38297		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7663	Strand	-
Start	38913	End	44481
Name	OJ990402_29.9819.C4.o7.gs	Method	GENSCAN
Start	38913	End	41705
GI	none	Score	.75
Exons	38913..39707, 39837..40685, 40776..41705		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7663	Strand	-
Start	38913	End	44481
Name	OJ990402_29.9819.C4.o4.np	Method	AAT/NAP
Start	38916	End	44481
GI	4680179	Score	4141
Exons	38916..41845, 44441..44481		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7664	Strand	-
Start	44477	End	48647

Name	OJ990402_29.9819.C4.o6.np	Method	AAT/NAP
Start	44477	End	48647
GI	6539586	Score	234
Exons	44477..44517, 47865..48082, 48131..48528, 48566..48647		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7664	Strand	-
Start	44477	End	48647
Name	OJ990402_29.9819.C4.o9.gs	Method	GENSCAN
Start	46065	End	48498
GI	none	Score	.87
Exons	46065..46555, 46654..46772, 46963..47208, 47276..47334, 47441..47587, 47655..47779, 47859..48498		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7665	Strand	-
Start	49415	End	51111
Name	OJ990402_29.9819.C4.o7.np	Method	AAT/NAP
Start	49415	End	51111
GI	6721512	Score	74
Exons	49415..49522, 51051..51111		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7666	Strand	-
Start	53559	End	55015
Name	OJ990402_29.9819.C4.o9.np	Method	AAT/NAP
Start	53559	End	55015
GI	6498436	Score	564
Exons	53559..53678, 53895..54238, 54506..55015		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	8092	End	8457
GI	none	Score	195
Exons	8092..8457		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o9.tm	Method	TBLASTX:Maize
Start	8112	End	15265
GI	none	Score	150
Exons	8112..8261, 8113..8271, 8116..8274, 8281..8415, 8395..8469, 9729..9962, 9792..9962, 12555..12575, 12579..12695, 15002..15187, 15016..15213, 15212..15265, 15221..15262		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o12.tw	Method	TBLASTX:Wheat
Start	15212	End	16098
GI	none	Score	60

Exons	15212..15259, 15817..15963, 15822..15887, 15960..16088, 15972..16088, 15973..16098		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o13.tm	Method	TBLASTX:Maize
Start	15817	End	16083
GI	none	Score	195
Exons	15817..16083, 15819..15890, 15969..16040		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o10.tm	Method	TBLASTX:Maize
Start	30382	End	30759
GI	none	Score	60
Exons	30382..30675, 30688..30759		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	30928	End	31305
GI	none	Score	87
Exons	30928..31041, 30929..31033, 31036..31107, 31096..31305, 31102..31305		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o9.tw	Method	TBLASTX:Wheat
Start	30946	End	31293
GI	none	Score	98
Exons	30946..31263, 30977..31273, 30979..31293		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	31306	End	32214
GI	none	Score	51
Exons	31306..31425, 31444..31749, 31568..31750, 31771..32214, 31793..31876, 31946..31978		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o11.tw	Method	TBLASTX:Wheat
Start	34878	End	35276
GI	none	Score	57
Exons	34878..34928, 34929..35042, 34940..34990, 35016..35276, 35048..35275		
Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471

Name	OJ990402_29.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	38961	End	39294
GI	none	Score	143
Exons	38961..39293, 39025..39294		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	39141	End	39740
GI	none	Score	229
Exons	39141..39581, 39157..39579, 39579..39740, 39585..39737		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	39294	End	45073
GI	none	Score	78
Exons	39294..39920, 39297..39548, 39406..39864, 44756..44911, 44945..45073		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	39789	End	40081
GI	none	Score	206
Exons	39789..40079, 39793..40080, 39929..40081		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	39879	End	40139
GI	none	Score	115
Exons	39879..40082, 39879..40139		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	39927	End	40494
GI	none	Score	232
Exons	39927..40463, 39928..40179, 39933..40391, 40234..40494		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	40485	End	40848
GI	none	Score	172
Exons	40485..40847, 40494..40847, 40498..40848		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471

Name	OJ990402_29.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	40536	End	40950
GI	none	Score	154
Exons	40536..40949, 40538..40849, 40542..40886, 40549..40950		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	40668	End	43453
GI	none	Score	66
Exons	40668..40913, 40768..40896, 43199..43327, 43346..43453		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	40884	End	43228
GI	none	Score	41
Exons	40884..41198, 40927..40971, 41005..41133, 41205..41384, 41257..41376, 42863..43228		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	40935	End	43177
GI	none	Score	203
Exons	40935..41294, 40936..41211, 41257..41292, 41298..41330, 41299..41328, 42806..43177		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	40953	End	43260
GI	none	Score	65
Exons	40953..41270, 41050..41178, 42836..43258, 42881..43135, 42946..43260		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	41271	End	42784
GI	none	Score	264
Exons	41271..41648, 41314..41757, 41527..41679, 42563..42784		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o8.tm	Method	TBLASTX:Maize
Start	41452	End	41742
GI	none	Score	180
Exons	41452..41742, 41454..41741		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4

Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o13.tw	Method	TBLASTX:Wheat
Start	41893	End	42072
GI	none	Score	192
Exons	41893..42072		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	42225	End	42561
GI	none	Score	330
Exons	42225..42398, 42229..42561, 42250..42540, 42474..42560		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o11.tm	Method	TBLASTX:Maize
Start	42394	End	42751
GI	none	Score	192
Exons	42394..42591, 42448..42570, 42483..42590, 42563..42751		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o10.tw	Method	TBLASTX:Wheat
Start	43405	End	43813
GI	none	Score	212
Exons	43405..43632, 43406..43630, 43640..43813, 43733..43810		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o14.tw	Method	TBLASTX:Wheat
Start	43844	End	44110
GI	none	Score	181
Exons	43844..44110, 43846..43983		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o7.tm	Method	TBLASTX:Maize
Start	44318	End	44620
GI	none	Score	302
Exons	44318..44620, 44356..44619		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	44318	End	44701
GI	none	Score	328
Exons	44318..44701, 44323..44697		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-

Start	58259	End	58471
Name	OJ990402_29.9819.C4.o12.tm	Method	TBLASTX:Maize
Start	50712	End	51350
GI	none	Score	92
Exons	50712..50777, 50940..51101, 51044..51094, 51266..51337, 51267..51350		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	50712	End	51098
GI	none	Score	81
Exons	50712..50777, 50931..51098, 50940..51098		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o14.tm	Method	TBLASTX:Maize
Start	51449	End	52323
GI	none	Score	95
Exons	51449..51514, 51463..51513, 51876..52010, 51896..52003, 52176..52313, 52177..52323		

Seq. No.	3590	Seq. ID	OJ990402_29.9819.C4
Gene No.	7667	Strand	-
Start	58259	End	58471
Name	OJ990402_29.9819.C4.o12.gs	Method	GENSCAN
Start	58259	End	58471
GI	none	Score	.44
Exons	58259..58471		

Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o1.np	Method	AAT/NAP
Start	84	End	4111
GI	3785977	Score	969
Exons	84..235, 465..655, 820..987, 1357..1524, 1610..1814, 1912..2109, 2811..2899, 3326..3391, 4015..4111		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	464	End	994
GI	none	Score	139
Exons	464..643, 467..661, 555..650, 814..930, 820..990, 830..994		

Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	464	End	661
GI	none	Score	94

Exons	464..628, 473..661, 474..650		
Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o1.gs	Method	GENSCAN
Start	465	End	4105
GI	none	Score	.68
Exons	465..655, 820..864, 1357..1523, 1648..1784, 1912..2109, 2811..2899, 3326..3393, 4057..4105		
Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	898	End	1756
GI	none	Score	68
Exons	898..993, 899..988, 1351..1533, 1352..1525, 1354..1533, 1608..1751, 1610..1756		
Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	1354	End	1816
GI	none	Score	179
Exons	1354..1527, 1355..1525, 1363..1533, 1475..1525, 1563..1646, 1607..1816, 1608..1805		
Seq. No.	3591	Seq. ID	OJ990402_24.9819.C1
Gene No.	7668	Strand	-
Start	84	End	4111
Name	OJ990402_24.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	1757	End	2900
GI	none	Score	61
Exons	1757..1810, 1758..1829, 1906..2070, 1926..2111, 2811..2900, 2813..2899, 2832..2900		
Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+
Start	1	End	1254
Name	OJ990402_24.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	1254
GI	3779024	Score	1171
Exons	1..935, 1187..1254		
GI Descrip.	(AC005171) unknown protein [Arabidopsis thaliana]		
Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+
Start	1	End	1254
Name	OJ990402_24.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	55	End	236
GI	none	Score	231
Exons	55..231, 60..236		
Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+

Start	1	End	1254
Name	OJ990402_24.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	58	End	219
GI	none	Score	216
Exons	58..219, 58..216, 66..218		

Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+
Start	1	End	1254
Name	OJ990402_24.9819.C2.o1.gs	Method	GENSCAN
Start	85	End	885
GI	none	Score	.81
Exons	85..885		

Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+
Start	1	End	1254
Name	OJ990402_24.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	163	End	555
GI	none	Score	519
Exons	163..555, 168..554		

Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+
Start	1	End	1254
Name	OJ990402_24.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	228	End	658
GI	none	Score	455
Exons	228..656, 231..650, 232..657, 524..658		

Seq. No.	3592	Seq. ID	OJ990402_24.9819.C2
Gene No.	7669	Strand	+
Start	1	End	1254
Name	OJ990402_24.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	685	End	801
GI	none	Score	186
Exons	685..801, 690..800		

Seq. No.	3593	Seq. ID	OJ990402_24.9819.C3
Gene No.	7670	Strand	+
Start	1	End	1258
Name	OJ990402_24.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	1258
GI	3779024	Score	588
Exons	1..326, 523..627, 738..825, 1094..1258		
GI Descrip.	(AC005171) unknown protein [Arabidopsis thaliana]		

Seq. No.	3593	Seq. ID	OJ990402_24.9819.C3
Gene No.	7670	Strand	+
Start	1	End	1258
Name	OJ990402_24.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	47	End	249
GI	none	Score	202
Exons	47..247, 48..248, 48..248, 49..249		

Seq. No.	3593	Seq. ID	OJ990402_24.9819.C3
Gene No.	7670	Strand	+

Start	1	End	1258
Name	OJ990402_24.9819.C3.o1.gs	Method	GENSCAN
Start	84	End	806
GI	none	Score	.76
Exons	84..326, 523..627, 738..806		

Seq. No.	3594	Seq. ID	OJ990402_24.9819.C4
Gene No.	7671	Strand	+
Start	1	End	2029
Name	OJ990402_24.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	2029
GI	3779024	Score	799
Exons	1..80, 165..281, 462..683, 819..977, 1454..1543, 1628..1723, 1794..2029		
GI Descrip.	(AC005171) unknown protein [Arabidopsis thaliana]		

Seq. No.	3594	Seq. ID	OJ990402_24.9819.C4
Gene No.	7671	Strand	+
Start	1	End	2029
Name	OJ990402_24.9819.C4.o1.gs	Method	GENSCAN
Start	42	End	1947
GI	none	Score	.9
Exons	42..80, 165..281, 462..683, 1454..1543, 1628..1723, 1794..1947		

Seq. No.	3594	Seq. ID	OJ990402_24.9819.C4
Gene No.	7671	Strand	+
Start	1	End	2029
Name	OJ990402_24.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	42	End	508
GI	none	Score	60
Exons	42..80, 43..90, 44..79, 156..281, 157..282, 165..287, 458..508, 461..508		

Seq. No.	3594	Seq. ID	OJ990402_24.9819.C4
Gene No.	7671	Strand	+
Start	1	End	2029
Name	OJ990402_24.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	620	End	1952
GI	none	Score	68
Exons	620..685, 622..684, 622..705, 639..686, 818..979, 861..974, 862..975, 1442..1543, 1454..1543, 1583..1726, 1583..1717, 1587..1718, 1791..1952, 1791..1949		

Seq. No.	3594	Seq. ID	OJ990402_24.9819.C4
Gene No.	7671	Strand	+
Start	1	End	2029
Name	OJ990402_24.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	1643	End	1952
GI	none	Score	96
Exons	1643..1726, 1791..1952, 1792..1950, 1793..1951		

Seq. No.	3594	Seq. ID	OJ990402_24.9819.C4
Gene No.	7671	Strand	+
Start	1	End	2029
Name	OJ990402_24.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	1791	End	1952
GI	none	Score	250

Exons	1791..1952, 1791..1949, 1793..1951		
Seq. No.	3595	Seq. ID	OJ990402_24.9819.C5
Gene No.	7672	Strand	+
Start	1	End	1098
Name	OJ990402_24.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1095
GI	3779024	Score	263
Exons	1..94, 272..364, 952..1095		
GI Descrip.	(AC005171) unknown protein [Arabidopsis thaliana]		
Seq. No.	3595	Seq. ID	OJ990402_24.9819.C5
Gene No.	7672	Strand	+
Start	1	End	1098
Name	OJ990402_24.9819.C5.o1.gs	Method	GENSCAN
Start	272	End	1098
GI	none	Score	.89
Exons	272..364, 988..1098		
Seq. No.	3595	Seq. ID	OJ990402_24.9819.C5
Gene No.	7673	Strand	
Start	2276	End	2881
Name	OJ990402_24.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	2276	End	2881
GI	none	Score	79
Exons	2276..2410, 2278..2412, 2330..2398, 2334..2408, 2639..2878, 2641..2877, 2645..2881		
Seq. No.	3595	Seq. ID	OJ990402_24.9819.C5
Gene No.	7674	Strand	
Start	3200	End	3979
Name	OJ990402_24.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	3200	End	3979
GI	none	Score	177
Exons	3200..3451, 3201..3452, 3443..3496, 3447..3551, 3448..3549, 3648..3698, 3652..3684, 3909..3977, 3920..3979		
Seq. No.	3596	Seq. ID	OJ990402_24.9819.C6
Gene No.	7675	Strand	-
Start	1169	End	2234
Name	OJ990402_24.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1000	End	2228
GI	none	Score	35
Exons	1000..1077, 1001..1075, 1072..1263, 1076..1264, 1076..1279, 1137..1277, 1696..1809, 1721..1813, 2190..2228		
Seq. No.	3596	Seq. ID	OJ990402_24.9819.C6
Gene No.	7675	Strand	-
Start	1169	End	2234
Name	OJ990402_24.9819.C6.o1.np	Method	AAT/NAP
Start	1077	End	2028
GI	5713194	Score	203
Exons	1077..1265, 1724..1802, 1971..2028		
GI Descrip.	(AF170082) cleavage stimulation factor 64 kilodalton subunit [Drosophila melanogaster]		
Seq. No.	3596	Seq. ID	OJ990402_24.9819.C6

Gene No.	7675	Strand	-
Start	1169	End	2234
Name	OJ990402_24.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1091	End	1813
GI	none	Score	148
Exons	1091..1279, 1097..1261, 1137..1277, 1696..1809, 1721..1813		

Seq. No.	3596	Seq. ID	OJ990402_24.9819.C6
Gene No.	7675	Strand	-
Start	1169	End	2234
Name	OJ990402_24.9819.C6.o1.gs	Method	GENSCAN
Start	1169	End	2234
GI	none	Score	.79
Exons	1169..1265, 1724..1802, 2105..2234		

Seq. No.	3597	Seq. ID	OJ990402_24.9819.C7
Gene No.	7676	Strand	+
Start	47	End	1335
Name	OJ990402_24.9819.C7.o1.gs	Method	GENSCAN
Start	47	End	1335
GI	none	Score	.61
Exons	47..127, 1291..1335		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7677	Strand	+
Start	470	End	2167
Name	OJ990402_24.9819.C9.o1.gs	Method	GENSCAN
Start	470	End	2167
GI	none	Score	.42
Exons	470..612, 2125..2167		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7678	Strand	+
Start	3391	End	3927
Name	OJ990402_24.9819.C9.o2.gs	Method	GENSCAN
Start	3391	End	3927
GI	none	Score	.97
Exons	3391..3927		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7679	Strand	+
Start	6572	End	7180
Name	OJ990402_24.9819.C9.o1.np	Method	AAT/NAP
Start	6529	End	7099
GI	6227011	Score	332
Exons	6529..7099		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7679	Strand	+
Start	6572	End	7180
Name	OJ990402_24.9819.C9.o4.gs	Method	GENSCAN
Start	6572	End	7180
GI	none	Score	.89
Exons	6572..7180		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9

Gene No.	7680	Strand	-
Start	4723	End	5934
Name	OJ990402_24.9819.C9.o3.gs	Method	GENSCAN
Start	4723	End	5934
GI	none	Score	.62
Exons	4723..4967, 5112..5332, 5930..5934		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7681	Strand	-
Start	6442	End	7239
Name	OJ990402_24.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	3484	End	7015
GI	none	Score	123
Exons	3484..3627, 3507..3626, 3648..3824, 3652..3840, 6665..7015, 6682..6993		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7681	Strand	-
Start	6442	End	7239
Name	OJ990402_24.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	3484	End	7099
GI	none	Score	182
Exons	3484..3651, 3492..3650, 3642..3935, 3643..3930, 6656..6802, 6658..6801, 6733..7098, 6734..7099		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7681	Strand	-
Start	6442	End	7239
Name	OJ990402_24.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	3484	End	7093
GI	none	Score	108
Exons	3484..3627, 3507..3626, 3646..3789, 3709..3786, 3783..3920, 3790..3918, 6665..6730, 6764..6964, 6772..6951, 6967..7023, 6968..7093		

Seq. No.	3598	Seq. ID	OJ990402_24.9819.C9
Gene No.	7681	Strand	-
Start	6442	End	7239
Name	OJ990402_24.9819.C9.o1.gp	Method	AAT/GAP
Start	6442	End	7239
GI	3972_1.R1084	Score	1493
Exons	6442..7239		
GI Descrip.	'2462834 5.0e-26 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3599	Seq. ID	OJ990402_24.9819.C10
Gene No.	7682	Strand	-
Start	1209	End	2964
Name	OJ990402_24.9819.C10.o1.gs	Method	GENSCAN
Start	1209	End	2964
GI	none	Score	.63
Exons	1209..1237, 1277..1408, 1486..1557, 1766..1846, 2460..2498, 2895..2964		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7683	Strand	+
Start	52	End	2317

Name	OJ990402_24.9819.C11.o1.np	Method	AAT/NAP
Start	52	End	2317
GI	2586082	Score	2528
Exons	52..2317		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7683	Strand	+
Start	52	End	2317
Name	OJ990402_24.9819.C11.o1.gs	Method	GENSCAN
Start	95	End	1305
GI	none	Score	.54
Exons	95..640, 662..1103, 1277..1305		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887
Name	OJ990402_24.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	110	End	441
GI	none	Score	199
Exons	110..439, 214..441		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887
Name	OJ990402_24.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	134	End	555
GI	none	Score	95
Exons	134..226, 251..553, 253..555		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887
Name	OJ990402_24.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	557	End	1105
GI	none	Score	83
Exons	557..748, 860..1105, 908..1105		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887
Name	OJ990402_24.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	923	End	1312
GI	none	Score	409
Exons	923..1312, 941..1153, 961..1251		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887
Name	OJ990402_24.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	1379	End	1788
GI	none	Score	168
Exons	1379..1576, 1618..1788		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887

Name	OJ990402_24.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	1597	End	1887
GI	none	Score	151
Exons	1597..1785, 1626..1778, 1804..1887		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7684	Strand	-
Start	1802	End	1887
Name	OJ990402_24.9819.C11.o2.gs	Method	GENSCAN
Start	1802	End	1861
GI	none	Score	.44
Exons	1802..1861		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7685	Strand	
Start	1795	End	2247
Name	OJ990402_24.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	1795	End	2247
GI	none	Score	361
Exons	1795..2067, 1798..2247, 2157..2237		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7685	Strand	
Start	1795	End	2247
Name	OJ990402_24.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	1810	End	2229
GI	none	Score	273
Exons	1810..2229		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7685	Strand	
Start	1795	End	2247
Name	OJ990402_24.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	1888	End	2247
GI	none	Score	283
Exons	1888..2247, 2031..2243		

Seq. No.	3600	Seq. ID	OJ990402_24.9819.C11
Gene No.	7685	Strand	
Start	1795	End	2247
Name	OJ990402_24.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	1903	End	2226
GI	none	Score	278
Exons	1903..2226, 2050..2073, 2103..2222		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	1687
GI	2586082	Score	2197
Exons	1..1687		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687

Name	OJ990402_24.9819.C12.o1.gs	Method	GENSCAN
Start	76	End	1561
GI	none	Score	.49
Exons	76..232, 269..1561		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	134	End	661
GI	5509260	Score	412
Exons	134..661, 280..444, 484..648		
GI Descrip.	-		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	205	End	457
GI	none	Score	210
Exons	205..456, 206..457		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	275	End	544
GI	none	Score	290
Exons	275..544, 283..543		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	325	End	838
GI	none	Score	282
Exons	325..423, 326..670, 478..624, 485..631, 662..838		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	458	End	898
GI	none	Score	378
Exons	458..898, 478..768, 811..858		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	725	End	973
GI	none	Score	188
Exons	725..973		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687

Name	OJ990402_24.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	839	End	1277
GI	none	Score	451
Exons	839..1276, 844..1158, 1236..1277		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	974	End	1201
GI	none	Score	275
Exons	974..1201, 976..1170, 1046..1171		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	1040	End	1636
GI	none	Score	510
Exons	1040..1636, 1042..1173, 1210..1431, 1238..1435, 1498..1530		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	1207	End	1627
GI	none	Score	142
Exons	1207..1341, 1208..1336, 1342..1527, 1343..1627, 1403..1615		

Seq. No.	3601	Seq. ID	OJ990402_24.9819.C12
Gene No.	7686	Strand	+
Start	1	End	1687
Name	OJ990402_24.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	1211	End	1642
GI	none	Score	65
Exons	1211..1303, 1313..1441, 1342..1440, 1448..1642		

Seq. No.	3602	Seq. ID	OJ990402_24.9819.C13
Gene No.	7687	Strand	+
Start	180	End	604
Name	OJ990402_24.9819.C13.o1.gs	Method	GENSCAN
Start	180	End	604
GI	none	Score	.53
Exons	180..604		

Seq. No.	3602	Seq. ID	OJ990402_24.9819.C13
Gene No.	7688	Strand	-
Start	930	End	1136
Name	OJ990402_24.9819.C13.o2.gs	Method	GENSCAN
Start	930	End	1136
GI	none	Score	.95
Exons	930..1136		

Seq. No.	3603	Seq. ID	OJ990402_24.9819.C14
Gene No.	7689	Strand	+
Start	115	End	2497
Name	OJ990402_24.9819.C14.o1.gs	Method	GENSCAN

Start	115	End	2497
GI	none	Score	.61
Exons	115..227, 2231..2497		

Seq. No.	3604	Seq. ID	OJ990402_24.9819.C15
Gene No.	7690	Strand	-
Start	1954	End	2483
Name	OJ990402_24.9819.C15.o1.gp	Method	AAT/GAP
Start	1954	End	2483
GI	LIB3475-006-P1-K1-D9	Score	550
Exons	1954..1996, 2092..2483		
GI Descrip.	'5923669/gb|AAD56320.1|AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	3605	Seq. ID	OJ990402_24.9819.C17
Gene No.	7691	Strand	-
Start	844	End	1668
Name	OJ990402_24.9819.C17.o1.gs	Method	GENSCAN
Start	844	End	1668
GI	none	Score	.68
Exons	844..1014, 1396..1668		

Seq. No.	3606	Seq. ID	OJ990402_24.9819.C18
Gene No.	7692	Strand	+
Start	379	End	1403
Name	OJ990402_24.9819.C18.o1.gs	Method	GENSCAN
Start	379	End	1403
GI	none	Score	.6
Exons	379..497, 1295..1403		

Seq. No.	3607	Seq. ID	OJ990402_24.9819.C19
Gene No.	7693	Strand	+
Start	1341	End	2825
Name	OJ990402_24.9819.C19.o1.gs	Method	GENSCAN
Start	1341	End	2825
GI	none	Score	.52
Exons	1341..1521, 2806..2825		

Seq. No.	3608	Seq. ID	OJ990402_24.9819.C20
Gene No.	7694	Strand	+
Start	233	End	330
Name	OJ990402_24.9819.C20.o1.gs	Method	GENSCAN
Start	233	End	330
GI	none	Score	.65
Exons	233..330		

Seq. No.	3608	Seq. ID	OJ990402_24.9819.C20
Gene No.	7695	Strand	-
Start	2735	End	4527
Name	OJ990402_24.9819.C20.o2.gs	Method	GENSCAN
Start	2735	End	4527
GI	none	Score	.63
Exons	2735..2849, 4493..4527		

Seq. No.	3609	Seq. ID	OJ990402_24.9819.C21
Gene No.	7696	Strand	-
Start	9408	End	9898

Name	OJ990402_24.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	5688	End	5994
GI	none	Score	164
Exons	5688..5891, 5742..5879, 5893..5994, 5898..5993		

Seq. No.	3609	Seq. ID	OJ990402_24.9819.C21
Gene No.	7696	Strand	-
Start	9408	End	9898
Name	OJ990402_24.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	5754	End	6108
GI	none	Score	86
Exons	5754..5888, 5890..6069, 6073..6108		

Seq. No.	3609	Seq. ID	OJ990402_24.9819.C21
Gene No.	7696	Strand	-
Start	9408	End	9898
Name	OJ990402_24.9819.C21.o2.gs	Method	GENSCAN
Start	9408	End	9898
GI	none	Score	.86
Exons	9408..9472, 9847..9898		

Seq. No.	3610	Seq. ID	OJ990402_24.9819.C23
Gene No.	7697	Strand	+
Start	861	End	4591
Name	OJ990402_24.9819.C23.o1.np	Method	AAT/NAP
Start	861	End	4591
GI	4972067	Score	660
Exons	861..891, 2010..2617, 2660..2800, 3259..3299, 4268..4591		
GI Descrip.	(AL078467) putative protei [Arabidopsis thaliana]		

Seq. No.	3610	Seq. ID	OJ990402_24.9819.C23
Gene No.	7697	Strand	+
Start	861	End	4591
Name	OJ990402_24.9819.C23.o1.gs	Method	GENSCAN
Start	1050	End	1288
GI	none	Score	.61
Exons	1050..1288		

Seq. No.	3610	Seq. ID	OJ990402_24.9819.C23
Gene No.	7697	Strand	+
Start	861	End	4591
Name	OJ990402_24.9819.C23.o2.gs	Method	GENSCAN
Start	1679	End	4552
GI	none	Score	.98
Exons	1679..1843, 1939..2550, 2611..2776, 4224..4552		

Seq. No.	3610	Seq. ID	OJ990402_24.9819.C23
Gene No.	7697	Strand	+
Start	861	End	4591
Name	OJ990402_24.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	2050	End	2706
GI	none	Score	117
Exons	2050..2172, 2073..2147, 2239..2328, 2401..2580, 2403..2537, 2587..2706		

Seq. No.	3610	Seq. ID	OJ990402_24.9819.C23
Gene No.	7697	Strand	+

Start	861	End	4591
Name	OJ990402_24.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	2059	End	2781
GI	none	Score	116
Exons	2059..2175, 2245..2310, 2397..2600, 2398..2601, 2580..2753, 2581..2781		

Seq. No.	3610	Seq. ID	OJ990402_24.9819.C23
Gene No.	7697	Strand	+
Start	861	End	4591
Name	OJ990402_24.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	2245	End	2781
GI	none	Score	67
Exons	2245..2328, 2383..2484, 2395..2601, 2397..2663, 2580..2753, 2581..2781		

Seq. No.	3611	Seq. ID	OJ990402_24.9819.C24
Gene No.	7698	Strand	+
Start	5210	End	21345
Name	OJ990402_24.9819.C24.o1.gs	Method	GENSCAN
Start	5210	End	11823
GI	none	Score	.49
Exons	5210..5610, 7329..7365, 7503..7610, 11674..11823		

Seq. No.	3611	Seq. ID	OJ990402_24.9819.C24
Gene No.	7698	Strand	+
Start	5210	End	21345
Name	OJ990402_24.9819.C24.o2.np	Method	AAT/NAP
Start	5477	End	21345
GI	4539658	Score	204
Exons	5477..5643, 19905..19975, 20026..20084, 20194..20349, 21290..21345		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	3611	Seq. ID	OJ990402_24.9819.C24
Gene No.	7698	Strand	+
Start	5210	End	21345
Name	OJ990402_24.9819.C24.o2.gs	Method	GENSCAN
Start	15507	End	17528
GI	none	Score	.69
Exons	15507..15558, 17392..17528		

Seq. No.	3611	Seq. ID	OJ990402_24.9819.C24
Gene No.	7698	Strand	+
Start	5210	End	21345
Name	OJ990402_24.9819.C24.o3.gs	Method	GENSCAN
Start	18981	End	19336
GI	none	Score	.88
Exons	18981..19119, 19233..19336		

Seq. No.	3611	Seq. ID	OJ990402_24.9819.C24
Gene No.	7699	Strand	-
Start	19790	End	21197
Name	OJ990402_24.9819.C24.o4.gs	Method	GENSCAN
Start	19790	End	21197
GI	none	Score	.62

Exons	19790..20006, 20429..20567, 21161..21197		
Seq. No.	3612	Seq. ID	OJ990402_24.9819.C25
Gene No.	7700	Strand	-
Start	38	End	691
Name	OJ990402_24.9819.C25.o1.gs	Method	GENSCAN
Start	38	End	691
GI	none	Score	.97
Exons	38..691		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7701	Strand	+
Start	625	End	942
Name	OJ990402_24.9819.C26.o1.gs	Method	GENSCAN
Start	625	End	942
GI	none	Score	.44
Exons	625..942		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7702	Strand	+
Start	5348	End	15809
Name	OJ990402_24.9819.C26.o3.gs	Method	GENSCAN
Start	5348	End	11774
GI	none	Score	.8
Exons	5348..5359, 5690..5758, 6856..7215, 7390..7621, 7943..8280, 8445..9372, 9544..9844, 9941..10115, 10215..11774		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7702	Strand	+
Start	5348	End	15809
Name	OJ990402_24.9819.C26.o2.np	Method	AAT/NAP
Start	6904	End	15809
GI	5922631	Score	6566
Exons	6904..7028, 7287..7531, 7790..7997, 8043..8606, 8649..8799, 8926..9852, 10459..12942, 15762..15809		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7702	Strand	+
Start	5348	End	15809
Name	OJ990402_24.9819.C26.o4.gs	Method	GENSCAN
Start	11938	End	14082
GI	none	Score	.46
Exons	11938..12852, 13474..13645, 13901..14082		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7702	Strand	+
Start	5348	End	15809
Name	OJ990402_24.9819.C26.o2.gp	Method	AAT/GAP
Start	14524	End	14951
GI	2428185	Score	809

Exons	14524..14951		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7703	Strand	+
Start	20507	End	22340
Name	OJ990402_24.9819.C26.o4.np	Method	AAT/NAP
Start	20507	End	22340
GI	4803933	Score	255
Exons	20507..21055, 22311..22340		
GI Descrip.	(AC006264) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7704	Strand	+
Start	23278	End	24417
Name	OJ990402_24.9819.C26.o5.np	Method	AAT/NAP
Start	23278	End	24417
GI	6721512	Score	55
Exons	23278..23402, 24388..24417		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7705	Strand	-
Start	1673	End	2236
Name	OJ990402_24.9819.C26.o2.gs	Method	GENSCAN
Start	1673	End	2005
GI	none	Score	.74
Exons	1673..2005		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7705	Strand	-
Start	1673	End	2236
Name	OJ990402_24.9819.C26.o1.np	Method	AAT/NAP
Start	1676	End	2236
GI	6227011	Score	349
Exons	1676..2236		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	1676	End	21046
GI	none	Score	176
Exons	1676..2035, 1683..2036, 2024..2107, 20621..20707, 20732..20788, 20792..20878, 20894..20932, 20941..21033, 20942..21046		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o4.tm	Method	TBLASTX:Maize
Start	1676	End	21064
GI	none	Score	168
Exons	1676..1945, 1682..2008, 1683..2009, 1687..2022, 20728..20775, 20729..20776, 20792..20902, 20801..21031, 20929..21018,		

21026..21064

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	1760	End	20989
GI	none	Score	148
Exons	1760..2035, 1761..2036, 1985..2107, 20624..20776, 20656..20775, 20791..20889, 20792..20890, 20941..20988, 20942..20989		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o9.tw	Method	TBLASTX:Wheat
Start	8181	End	8552
GI	none	Score	191
Exons	8181..8441, 8182..8463, 8442..8552		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o6.tw	Method	TBLASTX:Wheat
Start	9192	End	9649
GI	none	Score	146
Exons	9192..9368, 9413..9649, 9417..9647		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	9869	End	10325
GI	none	Score	481
Exons	9869..10324, 9870..10325		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o4.ts	Method	TBLASTX:Soybean
Start	9909	End	10274
GI	none	Score	133
Exons	9909..10133, 10140..10274		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	9998	End	10355
GI	none	Score	365
Exons	9998..10345, 9999..10355		

Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o2.tw	Method	TBLASTX:Wheat
Start	10440	End	10864
GI	none	Score	420

Exons	10440..10859, 10487..10861, 10538..10864		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	10518	End	10919
GI	none	Score	280
Exons	10518..10919, 10535..10678, 10551..10910		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	10590	End	11030
GI	none	Score	266
Exons	10590..10841, 10619..10840, 10862..10993, 10863..11006, 11004..11030		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o7.tw	Method	TBLASTX:Wheat
Start	10868	End	11153
GI	none	Score	267
Exons	10868..10945, 10869..11150, 11058..11153		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o3.ts	Method	TBLASTX:Soybean
Start	11145	End	11533
GI	none	Score	71
Exons	11145..11249, 11285..11533, 11289..11531		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o4.tw	Method	TBLASTX:Wheat
Start	11154	End	11576
GI	none	Score	385
Exons	11154..11576, 11159..11500		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o6.tm	Method	TBLASTX:Maize
Start	11208	End	11480
GI	none	Score	134
Exons	11208..11378, 11382..11480		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	11894	End	12216
GI	none	Score	75

Exons	11894..11956, 11959..12216, 11973..12215		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o3.tw	Method	TBLASTX:Wheat
Start	12031	End	12413
GI	none	Score	396
Exons	12031..12411, 12031..12285, 12036..12413		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o7.tm	Method	TBLASTX:Maize
Start	12357	End	12630
GI	none	Score	92
Exons	12357..12431, 12358..12447, 12451..12534, 12544..12630		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o5.tw	Method	TBLASTX:Wheat
Start	12415	End	12933
GI	none	Score	340
Exons	12415..12891, 12561..12764, 12883..12933		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o5.tm	Method	TBLASTX:Maize
Start	12712	End	12956
GI	none	Score	169
Exons	12712..12894, 12741..12791, 12834..12893, 12873..12956, 12874..12951		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o5.gs	Method	GENSCAN
Start	16175	End	19110
GI	none	Score	.76
Exons	16175..16626, 16700..16813, 16876..17065, 17140..17250, 17252..17349, 17415..17653, 17850..18070, 18226..19110		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26
Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o3.np	Method	AAT/NAP
Start	16187	End	19110
GI	6691716	Score	2464
Exons	16187..16626, 16700..16813, 16963..17065, 17140..17337, 17415..17594, 17673..17773, 17850..18025, 18217..19110		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	3613	Seq. ID	OJ990402_24.9819.C26

Gene No.	7706	Strand	-
Start	16175	End	21064
Name	OJ990402_24.9819.C26.o8.tw	Method	TBLASTX:Wheat
Start	18700	End	18991
GI	none	Score	97
Exons	18700..18990, 18737..18991		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7707	Strand	+
Start	49	End	4135
Name	OJ990402_24.9819.C27.o1.gs	Method	GENSCAN
Start	49	End	4135
GI	none	Score	.43
Exons	49..414, 750..882, 2258..2546, 3757..3853, 3869..4135		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7707	Strand	+
Start	49	End	4135
Name	OJ990402_24.9819.C27.o1.np	Method	AAT/NAP
Start	3400	End	4129
GI	6227011	Score	312
Exons	3400..3544, 3699..4129		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7707	Strand	+
Start	49	End	4135
Name	OJ990402_24.9819.C27.o1.gp	Method	AAT/GAP
Start	3571	End	4017
GI	LIB3433-051-P1-K1-E4	Score	689
Exons	3571..4017		
GI Descrip.	'115772/sp|P12330|CB21_ORYSA 6.0e-24 CHLOROPHYLL A-B BINDING PROTEIN 1 PRECURSOR (LHCII TYPE I CAB-1) (LHCP) >gi_82460_pir__S03705 chlorophyll a/b-binding protein 1R precursor - rice >gi_20178_emb_CAA32108_ (X13908) chlorophyll a/b-binding preprotein (AA -31 to 235) [Oryza sativa]'		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7708	Strand	-
Start	5676	End	6276
Name	OJ990402_24.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	3784	End	4117
GI	none	Score	58
Exons	3784..3840, 3785..3844, 3844..3924, 3845..3931, 3941..4117, 3949..4113		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7708	Strand	-
Start	5676	End	6276
Name	OJ990402_24.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	3790	End	4126
GI	none	Score	132
Exons	3790..3930, 3791..3931, 3937..4113, 3941..4126		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7708	Strand	-
Start	5676	End	6276

Name	OJ990402_24.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	3803	End	4123
GI	none	Score	80
Exons	3803..3856, 3844..3930, 3845..3931, 3940..4113, 3941..4123		

Seq. No.	3614	Seq. ID	OJ990402_24.9819.C27
Gene No.	7708	Strand	-
Start	5676	End	6276
Name	OJ990402_24.9819.C27.o2.gs	Method	GENSCAN
Start	5676	End	6276
GI	none	Score	.86
Exons	5676..5916, 5943..6132, 6144..6276		

Seq. No.	3615	Seq. ID	OJ990402_24.9819.C28
Gene No.	7709	Strand	+
Start	2443	End	2677
Name	OJ990402_24.9819.C28.o1.np	Method	AAT/NAP
Start	1774	End	2677
GI	4557435	Score	80
Exons	1774..1920, 2038..2346, 2592..2677		
GI Descrip.	CD68 antigen gi|461715|sp|P34810|CD68_HUMAN MACROSIALIN PRECURSOR (GP110) (CD68) gi|477366|pir||A48931 transmembrane glycoprotein CD68, 110K - human gi|298665|bbs|127493 (S57235) CD68=110kda transmembrane glycoprotein [human, promonocyte cell line U937, Peptide, 354 aa] [Homo sapiens]		

Seq. No.	3615	Seq. ID	OJ990402_24.9819.C28
Gene No.	7709	Strand	+
Start	2443	End	2677
Name	OJ990402_24.9819.C28.o2.gs	Method	GENSCAN
Start	2443	End	2621
GI	none	Score	.97
Exons	2443..2621		

Seq. No.	3615	Seq. ID	OJ990402_24.9819.C28
Gene No.	7710	Strand	-
Start	536	End	2677
Name	OJ990402_24.9819.C28.o1.gs	Method	GENSCAN
Start	536	End	853
GI	none	Score	.77
Exons	536..853		

Seq. No.	3615	Seq. ID	OJ990402_24.9819.C28
Gene No.	7710	Strand	-
Start	536	End	2677
Name	OJ990402_24.9819.C28.o2.np	Method	AAT/NAP
Start	553	End	2677
GI	3153821	Score	104
Exons	553..713, 746..796, 2336..2677		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	3616	Seq. ID	OJ990402_24.9819.C29
Gene No.	7711	Strand	-
Start	748	End	829
Name	OJ990402_24.9819.C29.o1.np	Method	AAT/NAP
Start	748	End	829

GI	5852084	Score	94
Exons	748..829		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	3616	Seq. ID	OJ990402_24.9819.C29
Gene No.	7712	Strand	-
Start	1154	End	2856
Name	OJ990402_24.9819.C29.o1.gs	Method	GENSCAN
Start	1154	End	2856
GI	none	Score	.82
Exons	1154..1343, 2005..2700, 2771..2856		

Seq. No.	3616	Seq. ID	OJ990402_24.9819.C29
Gene No.	7713	Strand	-
Start	3671	End	5464
Name	OJ990402_24.9819.C29.o2.gs	Method	GENSCAN
Start	3671	End	5464
GI	none	Score	.97
Exons	3671..3869, 4624..5244, 5349..5464		

Seq. No.	3617	Seq. ID	OJ990402_24.9819.C30
Gene No.	7714	Strand	+
Start	24	End	731
Name	OJ990402_24.9819.C30.o1.gs	Method	GENSCAN
Start	24	End	731
GI	none	Score	.86
Exons	24..135, 688..731		

Seq. No.	3617	Seq. ID	OJ990402_24.9819.C30
Gene No.	7715	Strand	-
Start	1710	End	3790
Name	OJ990402_24.9819.C30.o2.gs	Method	GENSCAN
Start	1710	End	3790
GI	none	Score	.73
Exons	1710..1881, 2871..3790		

Seq. No.	3617	Seq. ID	OJ990402_24.9819.C30
Gene No.	7716	Strand	-
Start	5061	End	5203
Name	OJ990402_24.9819.C30.o1.gp	Method	AAT/GAP
Start	4788	End	5203
GI	59160_1.R1084	Score	784
Exons	4788..5203		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	3617	Seq. ID	OJ990402_24.9819.C30
Gene No.	7716	Strand	-
Start	5061	End	5203
Name	OJ990402_24.9819.C30.o3.gs	Method	GENSCAN
Start	5061	End	5202
GI	none	Score	.72
Exons	5061..5202		

Seq. No.	3618	Seq. ID	OJ990402_24.9819.C31
Gene No.	7717	Strand	+
Start	196	End	1686

Name	OJ990402_24.9819.C31.o1.gs	Method	GENSCAN
Start	196	End	1117
GI	none	Score	.42
Exons	196..1117		

Seq. No.	3618	Seq. ID	OJ990402_24.9819.C31
Gene No.	7717	Strand	+
Start	196	End	1686
Name	OJ990402_24.9819.C31.o3.tw	Method	TBLASTX:Wheat
Start	349	End	684
GI	none	Score	187
Exons	349..588, 607..684		

Seq. No.	3618	Seq. ID	OJ990402_24.9819.C31
Gene No.	7717	Strand	+
Start	196	End	1686
Name	OJ990402_24.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	427	End	1398
GI	none	Score	691
Exons	427..1272, 483..749, 508..837, 771..1262, 1264..1377, 1369..1398		

Seq. No.	3618	Seq. ID	OJ990402_24.9819.C31
Gene No.	7717	Strand	+
Start	196	End	1686
Name	OJ990402_24.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	721	End	1070
GI	none	Score	188
Exons	721..912, 726..911, 913..1065, 930..1070		

Seq. No.	3618	Seq. ID	OJ990402_24.9819.C31
Gene No.	7717	Strand	+
Start	196	End	1686
Name	OJ990402_24.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	1264	End	1686
GI	none	Score	270
Exons	1264..1575, 1269..1562, 1279..1563, 1558..1686		

Seq. No.	3619	Seq. ID	OJ990402_26.9819.C2
Gene No.	7718	Strand	-
Start	45	End	683
Name	OJ990402_26.9819.C2.o1.gs	Method	GENSCAN
Start	45	End	683
GI	none	Score	.98
Exons	45..683		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7719	Strand	+
Start	1	End	174
Name	OJ990402_26.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	174
GI	1621440	Score	78
Exons	1..174		
GI Descrip.	(U72148) plasma membrane H+-ATPase [Lycopersicon esculentum]		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7720	Strand	+
Start	2914	End	8241

Name	OJ990402_26.9819.C3.o1.gs	Method	GENSCAN
Start	2914	End	8241
GI	none	Score	.53
Exons	2914..3249, 4012..4212, 4627..4765, 5030..5340, 5411..5501, 7895..8241		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7720	Strand	+
Start	2914	End	8241
Name	OJ990402_26.9819.C3.o2.np	Method	AAT/NAP
Start	7474	End	7875
GI	2462640	Score	555
Exons	7474..7875		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7721	Strand	+
Start	30088	End	37878
Name	OJ990402_26.9819.C3.o5.gs	Method	GENSCAN
Start	30088	End	37878
GI	none	Score	.51
Exons	30088..31140, 31228..31687, 32277..33751, 34082..34418, 34620..34789, 36048..36104, 37051..37878		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7721	Strand	+
Start	30088	End	37878
Name	OJ990402_26.9819.C3.o5.np	Method	AAT/NAP
Start	32003	End	35110
GI	4416302	Score	3442
Exons	32003..35110		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7722	Strand	+
Start	40644	End	40769
Name	OJ990402_26.9819.C3.o2.gp	Method	AAT/GAP
Start	40644	End	40769
GI	uC-osroM202017a05a1	Score	144
Exons	40644..40769		
GI Descrip.	'6041846/gb|AAF02155.1|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7723	Strand	-
Start	9670	End	11601
Name	OJ990402_26.9819.C3.o2.gs	Method	GENSCAN
Start	9670	End	11601
GI	none	Score	.9
Exons	9670..9705, 10993..11601		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7724	Strand	-
Start	13545	End	18211
Name	OJ990402_26.9819.C3.o4.np	Method	AAT/NAP
Start	13545	End	18211
GI	6705984	Score	6256

Exons	13545..18211		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o9.tw	Method	TBLASTX:Wheat
Start	6433	End	6817
GI	none	Score	295
Exons	6433..6657, 6434..6724, 6500..6691, 6761..6817		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o10.tm	Method	TBLASTX:Maize
Start	7648	End	8415
GI	none	Score	262
Exons	7648..8214, 7740..7928, 8296..8415		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o20.tm	Method	TBLASTX:Maize
Start	8416	End	8748
GI	none	Score	71
Exons	8416..8505, 8482..8619, 8502..8606, 8683..8748, 8688..8747		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o13.tw	Method	TBLASTX:Wheat
Start	8458	End	8742
GI	none	Score	55
Exons	8458..8505, 8476..8619, 8503..8640, 8653..8742		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o18.tm	Method	TBLASTX:Maize
Start	9038	End	9361
GI	none	Score	221
Exons	9038..9361		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o16.tm	Method	TBLASTX:Maize
Start	13452	End	13691
GI	none	Score	123
Exons	13452..13490, 13503..13691, 13515..13655, 13529..13687, 13573..13689		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o8.tm	Method	TBLASTX:Maize
Start	13693	End	13967

GI	none	Score	262
Exons	13693..13965, 13695..13967		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	13734	End	14132
GI	none	Score	468
Exons	13734..14132, 13744..14130		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o17.tm	Method	TBLASTX:Maize
Start	13971	End	14264
GI	none	Score	222
Exons	13971..14264		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o7.tw	Method	TBLASTX:Wheat
Start	14163	End	14522
GI	none	Score	320
Exons	14163..14522, 14173..14517		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	14267	End	14615
GI	none	Score	299
Exons	14267..14605, 14271..14615, 14272..14583, 14274..14612		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	14334	End	14699
GI	none	Score	197
Exons	14334..14699, 14335..14559, 14337..14627		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	14649	End	15075
GI	none	Score	420
Exons	14649..15074, 14649..15074, 14650..15075		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o19.tm	Method	TBLASTX:Maize
Start	14695	End	14870
GI	none	Score	116

Exons	14695..14868, 14700..14870		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o8.ts	Method	TBLASTX:Soybean
Start	14791	End	14990
GI	none	Score	74
Exons	14791..14880, 14796..14882, 14878..14976, 14886..14990		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o6.tm	Method	TBLASTX:Maize
Start	14970	End	15514
GI	none	Score	87
Exons	14970..15293, 15094..15294, 15287..15514, 15309..15473		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	14995	End	15252
GI	none	Score	208
Exons	14995..15252, 14995..15183, 14997..15251		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o10.tw	Method	TBLASTX:Wheat
Start	15162	End	15562
GI	none	Score	97
Exons	15162..15293, 15284..15562, 15309..15515		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o4.ts	Method	TBLASTX:Soybean
Start	15284	End	15634
GI	none	Score	125
Exons	15284..15634, 15285..15515		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	15557	End	16024
GI	none	Score	133
Exons	15557..16024, 15588..15812, 15590..15949		
Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o8.tw	Method	TBLASTX:Wheat
Start	15611	End	16093
GI	none	Score	164
Exons	15611..16093, 15645..15998		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o15.tm	Method	TBLASTX:Maize
Start	16049	End	16300
GI	none	Score	181
Exons	16049..16192, 16050..16187, 16061..16189, 16063..16194, 16205..16300		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o12.tm	Method	TBLASTX:Maize
Start	16373	End	16618
GI	none	Score	88
Exons	16373..16618, 16407..16616		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	16376	End	16858
GI	none	Score	118
Exons	16376..16570, 16404..16565, 16583..16858, 16584..16838, 16589..16858		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o6.ts	Method	TBLASTX:Soybean
Start	16376	End	16618
GI	none	Score	80
Exons	16376..16618, 16422..16616		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	17208	End	17785
GI	none	Score	270
Exons	17208..17573, 17215..17376, 17216..17572, 17237..17578, 17577..17768, 17578..17709, 17579..17785, 17579..17767		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o7.ts	Method	TBLASTX:Soybean
Start	17342	End	17738
GI	none	Score	87
Exons	17342..17563, 17603..17737, 17604..17738		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o13.tm	Method	TBLASTX:Maize
Start	17546	End	17783

GI	none	Score	210
Exons	17546..17773, 17547..17771, 17585..17782, 17664..17783		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o11.tm	Method	TBLASTX:Maize
Start	31834	End	32191
GI	none	Score	92
Exons	31834..31923, 31840..31923, 31952..32191, 31960..32028, 32056..32184		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o11.tw	Method	TBLASTX:Wheat
Start	31967	End	32284
GI	none	Score	236
Exons	31967..32284, 31981..32202		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o7.tm	Method	TBLASTX:Maize
Start	32194	End	32586
GI	none	Score	92
Exons	32194..32325, 32195..32323, 32311..32535, 32313..32519, 32314..32586, 32318..32584		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	32356	End	32929
GI	none	Score	272
Exons	32356..32586, 32357..32602, 32366..32611, 32641..32919, 32642..32920, 32642..32929		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	32591	End	33451
GI	none	Score	109
Exons	32591..32662, 32617..32664, 32662..33279, 32663..33280, 33253..33390, 33293..33451		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o5.ts	Method	TBLASTX:Soybean
Start	32771	End	33232
GI	none	Score	329
Exons	32771..33232, 32800..32961, 33028..33180		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-

Start	37935	End	40341
Name	OJ990402_26.9819.C3.o14.tw	Method	TBLASTX:Wheat
Start	33014	End	33345
GI	none	Score	100
Exons	33014..33091, 33098..33244, 33107..33247, 33108..33248, 33265..33345		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o9.tm	Method	TBLASTX:Maize
Start	33452	End	33739
GI	none	Score	291
Exons	33452..33700, 33472..33735, 33689..33739		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	33467	End	34080
GI	5509260	Score	715
Exons	33467..34075, 33562..34080, 33817..34080		
GI Descrip.	-		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	33596	End	34072
GI	none	Score	84
Exons	33596..33685, 33692..33718, 33709..34062, 33719..34066, 33725..33853, 33727..34065, 33896..34072		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o3.tc	Method	TBLASTX:Cress
Start	33688	End	33961
GI	none	Score	193
Exons	33688..33834, 33689..33961, 33755..33835		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	33740	End	34207
GI	none	Score	572
Exons	33740..34207, 33740..33859, 33742..34206		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o14.tm	Method	TBLASTX:Maize
Start	34249	End	34441
GI	none	Score	246
Exons	34249..34302, 34250..34441, 34253..34423, 34345..34440		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o12.tw	Method	TBLASTX:Wheat
Start	34256	End	34687
GI	none	Score	97
Exons	34256..34417, 34430..34687		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	34442	End	35190
GI	none	Score	914
Exons	34442..35104, 34444..35118, 34451..35119, 35005..35109, 35161..35190		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	34451	End	35116
GI	none	Score	307
Exons	34451..34834, 34456..34827, 34463..34834, 34868..35116, 34876..35043		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o2.tc	Method	TBLASTX:Cress
Start	34631	End	35089
GI	none	Score	69
Exons	34631..34720, 34724..34858, 34844..35089, 34870..35037		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o15.tw	Method	TBLASTX:Wheat
Start	34724	End	35056
GI	none	Score	100
Exons	34724..34849, 34744..34845, 34868..35056, 34924..35043		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o6.np	Method	AAT/NAP
Start	37934	End	39910
GI	6721516	Score	593
Exons	37934..37960, 39086..39450, 39670..39910		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3620	Seq. ID	OJ990402_26.9819.C3
Gene No.	7725	Strand	-
Start	37935	End	40341
Name	OJ990402_26.9819.C3.o6.gs	Method	GENSCAN
Start	37935	End	40341
GI	none	Score	.79

Exons	37935..38253, 40226..40341		
Seq. No.	3621	Seq. ID	OJ990402_27.9819.C2
Gene No.	7726	Strand	-
Start	213	End	1285
Name	OJ990402_27.9819.C2.o1.gs	Method	GENSCAN
Start	213	End	1285
GI	none	Score	.8
Exons	213..747, 1233..1285		
Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7727	Strand	+
Start	1	End	5383
Name	OJ990402_27.9819.C3.o2.np	Method	AAT/NAP
Start	1	End	2017
GI	6630685	Score	1460
Exons	1..77, 918..2017		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7727	Strand	+
Start	1	End	5383
Name	OJ990402_27.9819.C3.o1.gs	Method	GENSCAN
Start	614	End	5383
GI	none	Score	.71
Exons	614..661, 992..1328, 3038..3094, 3674..3795, 3993..4424, 4793..4951, 5165..5383		
Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7727	Strand	+
Start	1	End	5383
Name	OJ990402_27.9819.C3.o1.gp	Method	AAT/GAP
Start	4923	End	5226
GI	61605_3.R1084	Score	429
Exons	4923..5226		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7728	Strand	-
Start	1	End	782
Name	OJ990402_27.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	782
GI	6721516	Score	229
Exons	1..32, 454..782		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	916	End	1228
GI	none	Score	397
Exons	916..1227, 917..1228		
Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3

Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	1166	End	1597
GI	none	Score	105
Exons	1166..1327, 1340..1597		

Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	1352	End	2150
GI	none	Score	910
Exons	1352..2014, 1354..2028, 1915..2073, 1917..2039, 2115..2150		

Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	1361	End	2047
GI	none	Score	302
Exons	1361..1744, 1366..1737, 1373..1744, 1778..2047, 1786..1953		

Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	1541	End	1999
GI	none	Score	69
Exons	1541..1630, 1634..1768, 1754..1999, 1780..1947		

Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o3.np	Method	AAT/NAP
Start	5594	End	9387
GI	6063554	Score	322
Exons	5594..5769, 6401..6428, 6746..6967, 7086..7354, 9356..9387		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3622	Seq. ID	OJ990402_27.9819.C3
Gene No.	7729	Strand	-
Start	5594	End	9387
Name	OJ990402_27.9819.C3.o2.gs	Method	GENSCAN
Start	6306	End	9183
GI	none	Score	.58
Exons	6306..6421, 6746..6965, 8920..9018, 9163..9183		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7730	Strand	+
Start	370	End	487
Name	OJ990402_27.9819.C4.o1.gs	Method	GENSCAN
Start	370	End	487
GI	none	Score	.58
Exons	370..487		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o2.np	Method	AAT/NAP
Start	4250	End	8009
GI	2623246	Score	1380
Exons	4250..4274, 5663..5943, 6105..6304, 6867..7102, 7363..7505, 7613..7684, 7785..8009		
GI Descrip.	(AF030709) poly(A) polymerase [Pisum sativum]		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o2.gs	Method	GENSCAN
Start	4463	End	12627
GI	none	Score	.77
Exons	4463..4579, 4614..4717, 5280..5305, 5813..5943, 6105..6304, 6867..7102, 7363..7505, 7613..7684, 7785..7931, 9167..9311, 9402..9542, 10102..10247, 10499..10906, 12234..12276, 12614..12627		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o2.gp	Method	AAT/GAP
Start	6253	End	7506
GI	LIB3432-011-P1-K1-B5	Score	755
Exons	6253..6304, 6867..7102, 7363..7506		
GI Descrip.	'6016707/gb|AAF01533.1|AC009325_3 3.0e-66 (AC009325) putative thylakoid lumen rotamase [Arabidopsis thaliana]'		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o3.np	Method	AAT/NAP
Start	8976	End	12430
GI	3582340	Score	172
Exons	8976..9012, 10441..10910, 12354..12430		
GI Descrip.	(AC005496) unknown protein [Arabidopsis thaliana]		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o3.gp	Method	AAT/GAP
Start	12119	End	13090
GI	uC-osflcyp176e06b1	Score	915
Exons	12119..12444, 12937..13090		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o3.gs	Method	GENSCAN
Start	12919	End	15214
GI	none	Score	.51

Exons	12919..14081, 15043..15214		
Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o4.np	Method	AAT/NAP
Start	12926	End	14926
GI	4406785	Score	105
Exons	12926..13186, 14898..14926		
GI Descrip.	(AC006532) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7731	Strand	+
Start	4463	End	15214
Name	OJ990402_27.9819.C4.o4.gp	Method	AAT/GAP
Start	13472	End	13894
GI	572371	Score	768
Exons	13472..13894		
Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7732	Strand	+
Start	17179	End	19382
Name	OJ990402_27.9819.C4.o6.np	Method	AAT/NAP
Start	17179	End	18660
GI	5852178	Score	159
Exons	17179..17506, 18127..18192, 18557..18660		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7732	Strand	+
Start	17179	End	19382
Name	OJ990402_27.9819.C4.o7.np	Method	AAT/NAP
Start	17239	End	19382
GI	6063554	Score	155
Exons	17239..17374, 19205..19382		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7733	Strand	-
Start	1	End	700
Name	OJ990402_27.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	700
GI	6721516	Score	342
Exons	1..63, 460..700		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	5668	End	5943
GI	none	Score	65
Exons	5668..5751, 5673..5759, 5673..5750, 5763..5843, 5763..5939, 5764..5943		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	6104	End	6873
GI	none	Score	244
Exons	6104..6301, 6105..6302, 6139..6309, 6139..6309, 6814..6873		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	6105	End	7013
GI	none	Score	291
Exons	6105..6305, 6105..6302, 6106..6309, 6856..6960, 6864..7013, 6865..7011		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	6951	End	7107
GI	none	Score	241
Exons	6951..7094, 6952..7101, 7009..7107		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	6988	End	8026
GI	none	Score	189
Exons	6988..7101, 6990..7094, 7000..7119, 7362..7505, 7364..7507, 7598..7681, 7601..7684, 7612..7686, 7782..7850, 7784..7852, 7830..7892, 7847..7891, 7850..7894, 7895..7951, 7896..7952, 7926..8012, 7952..8008, 7955..8026		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	7361	End	7687
GI	none	Score	161
Exons	7361..7498, 7362..7499, 7367..7501, 7610..7684, 7610..7687		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	7424	End	7880
GI	none	Score	116
Exons	7424..7507, 7425..7505, 7434..7508, 7435..7506, 7441..7509, 7607..7681, 7612..7680, 7613..7687, 7615..7683, 7784..7879, 7785..7880, 7785..7880		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731

Name	OJ990402_27.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	7771	End	8024
GI	none	Score	138
Exons	7771..7959, 7784..8008, 7785..8024		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	7880	End	8024
GI	none	Score	214
Exons	7880..8020, 7881..8024		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o5.ts	Method	TBLASTX:Soybean
Start	10559	End	10813
GI	none	Score	64
Exons	10559..10645, 10580..10645, 10645..10812, 10646..10813		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	10633	End	10783
GI	none	Score	180
Exons	10633..10782, 10634..10783		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o5.np	Method	AAT/NAP
Start	16923	End	21731
GI	5441880	Score	238
Exons	16923..17137, 17431..17680, 17918..18128, 21706..21731		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3623	Seq. ID	OJ990402_27.9819.C4
Gene No.	7734	Strand	-
Start	16974	End	21731
Name	OJ990402_27.9819.C4.o4.gs	Method	GENSCAN
Start	16974	End	20566
GI	none	Score	.45
Exons	16974..17260, 17571..17826, 17918..18115, 18181..18336, 19448..19521, 20182..20566		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7735	Strand	+
Start	10778	End	13768
Name	OJ990402_27.9819.C5.o2.gs	Method	GENSCAN
Start	10778	End	13768
GI	none	Score	.48
Exons	10778..10822, 10857..11097, 11582..11698, 11909..12031, 12541..12657, 12978..13768		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o1.gs	Method	GENSCAN
Start	67	End	10132
GI	none	Score	.43
Exons	67..468, 703..949, 1084..1272, 1321..3387, 4533..4667, 4722..4760, 4895..5064, 5824..5949, 6428..6546, 6767..8037, 8349..8829, 8916..8984, 9583..10132		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	77	End	327
GI	none	Score	42
Exons	77..115, 82..327, 164..325		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o1.np	Method	AAT/NAP
Start	88	End	3253
GI	4544372	Score	1256
Exons	88..1649, 1755..2167, 2228..3253		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	109	End	510
GI	none	Score	92
Exons	109..510, 137..370		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	547	End	913
GI	none	Score	56
Exons	547..588, 643..912, 830..913		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	670	End	1041
GI	none	Score	85
Exons	670..1041, 848..964		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o3.tm	Method	TBLASTX:Maize

Start	691	End	1023
GI	none	Score	80
Exons	691..915, 913..1023		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	1491	End	1889
GI	none	Score	38
Exons	1491..1760, 1513..1644, 1684..1749, 1800..1889		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	1522	End	1934
GI	none	Score	130
Exons	1522..1776, 1524..1775, 1797..1934, 1801..1932		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	2085	End	2555
GI	none	Score	71
Exons	2085..2273, 2098..2229, 2274..2555, 2293..2517		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	2172	End	2570
GI	none	Score	39
Exons	2172..2273, 2176..2244, 2235..2570, 2239..2553		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	2241	End	2702
GI	none	Score	227
Exons	2241..2702, 2242..2553, 2614..2700		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	2572	End	2975
GI	none	Score	281
Exons	2572..2916, 2592..2924, 2614..2916, 2919..2975, 2929..2970		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	2703	End	2921

GI	none	Score	219
Exons	2703..2921, 2704..2916		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o2.np	Method	AAT/NAP
Start	5780	End	15481
GI	4680183	Score	198
Exons	5780..5869, 6476..6546, 15430..15481		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o1.gp	Method	AAT/GAP
Start	11182	End	11805
GI	3761363	Score	1027
Exons	11182..11805		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o3.np	Method	AAT/NAP
Start	11764	End	13900
GI	6063554	Score	206
Exons	11764..11934, 13205..13428, 13730..13900		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3624	Seq. ID	OJ990402_27.9819.C5
Gene No.	7736	Strand	-
Start	67	End	15481
Name	OJ990402_27.9819.C5.o3.gp	Method	AAT/GAP
Start	12003	End	12378
GI	2427387	Score	699
Exons	12003..12378		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	3625	Seq. ID	OJ990402_27.9819.C6
Gene No.	7737	Strand	+
Start	55	End	725
Name	OJ990402_27.9819.C6.o1.np	Method	AAT/NAP
Start	55	End	725
GI	6498441	Score	413
Exons	55..113, 301..725		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3625	Seq. ID	OJ990402_27.9819.C6
Gene No.	7738	Strand	-
Start	51	End	719

Name	OJ990402_27.9819.C6.o1.gs	Method	GENSCAN
Start	51	End	626
GI	none	Score	.8
Exons	51..145, 459..626		

Seq. No.	3625	Seq. ID	OJ990402_27.9819.C6
Gene No.	7738	Strand	-
Start	51	End	719
Name	OJ990402_27.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	423	End	719
GI	none	Score	100
Exons	423..497, 427..549, 523..642, 645..719		

Seq. No.	3626	Seq. ID	OJ990402_27.9819.C7
Gene No.	7739	Strand	+
Start	1	End	709
Name	OJ990402_27.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	709
GI	6498441	Score	373
Exons	1..174, 216..709		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3626	Seq. ID	OJ990402_27.9819.C7
Gene No.	7739	Strand	+
Start	1	End	709
Name	OJ990402_27.9819.C7.o1.gs	Method	GENSCAN
Start	43	End	613
GI	none	Score	.78
Exons	43..80, 244..296, 316..613		

Seq. No.	3627	Seq. ID	OJ990402_27.9819.C8
Gene No.	7740	Strand	+
Start	54	End	658
Name	OJ990402_27.9819.C8.o1.gs	Method	GENSCAN
Start	54	End	658
GI	none	Score	.65
Exons	54..145, 342..658		

Seq. No.	3627	Seq. ID	OJ990402_27.9819.C8
Gene No.	7741	Strand	+
Start	837	End	922
Name	OJ990402_27.9819.C8.o1.np	Method	AAT/NAP
Start	837	End	922
GI	6630699	Score	81
Exons	837..922		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3627	Seq. ID	OJ990402_27.9819.C8
Gene No.	7742	Strand	-
Start	1061	End	1137
Name	OJ990402_27.9819.C8.o2.np	Method	AAT/NAP
Start	1061	End	1137
GI	5922620	Score	99

Exons	1061..1137		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7743	Strand	+
Start	1	End	7417
Name	OJ990402_27.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	3103
GI	4206306	Score	443
Exons	1..147, 866..1413, 3080..3103		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7743	Strand	+
Start	1	End	7417
Name	OJ990402_27.9819.C9.o1.gs	Method	GENSCAN
Start	429	End	4636
GI	none	Score	.51
Exons	429..575, 727..793, 829..1042, 2824..2877, 3065..3127, 4099..4430, 4523..4636		
Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7743	Strand	+
Start	1	End	7417
Name	OJ990402_27.9819.C9.o3.np	Method	AAT/NAP
Start	2671	End	7417
GI	5852180	Score	326
Exons	2671..2707, 2807..2877, 4140..4325, 7050..7417		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7744	Strand	-
Start	1547	End	4757
Name	OJ990402_27.9819.C9.o2.np	Method	AAT/NAP
Start	1547	End	4757
GI	5852180	Score	433
Exons	1547..1608, 4172..4585, 4637..4757		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7744	Strand	-
Start	1547	End	4757
Name	OJ990402_27.9819.C9.o1.gp	Method	AAT/GAP
Start	2726	End	3107
GI	uC-osflcyp033a04b1	Score	667
Exons	2726..3107		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7745	Strand	-
Start	6513	End	7339
Name	OJ990402_27.9819.C9.o1.tm	Method	TBLASTX:Maize

Start	871	End	1332
GI	none	Score	321
Exons	871..1332, 972..1193, 1236..1301		

Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7745	Strand	-
Start	6513	End	7339
Name	OJ990402_27.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	982	End	1371
GI	none	Score	239
Exons	982..1371		

Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7745	Strand	-
Start	6513	End	7339
Name	OJ990402_27.9819.C9.o3.gp	Method	AAT/GAP
Start	5882	End	6263
GI	uC-osf1cyp033a04b1	Score	695
Exons	5882..6263		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3628	Seq. ID	OJ990402_27.9819.C9
Gene No.	7745	Strand	-
Start	6513	End	7339
Name	OJ990402_27.9819.C9.o2.gs	Method	GENSCAN
Start	6513	End	7339
GI	none	Score	.88
Exons	6513..6533, 7139..7339		

Seq. No.	3629	Seq. ID	OJ990402_27.9819.C10
Gene No.	7746	Strand	+
Start	251	End	425
Name	OJ990402_27.9819.C10.o1.np	Method	AAT/NAP
Start	251	End	425
GI	6063554	Score	164
Exons	251..425		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3629	Seq. ID	OJ990402_27.9819.C10
Gene No.	7747	Strand	+
Start	1096	End	1302
Name	OJ990402_27.9819.C10.o1.gs	Method	GENSCAN
Start	1096	End	1302
GI	none	Score	.64
Exons	1096..1302		

Seq. No.	3630	Seq. ID	OJ990402_27.9819.C11
Gene No.	7748	Strand	+
Start	1199	End	1523
Name	OJ990402_27.9819.C11.o2.np	Method	AAT/NAP
Start	1199	End	1523
GI	5441880	Score	38
Exons	1199..1309, 1385..1523		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	3630	Seq. ID	OJ990402_27.9819.C11
Gene No.	7749	Strand	-
Start	662	End	1198
Name	OJ990402_27.9819.C11.o1.gs	Method	GENSCAN
Start	662	End	1186
GI	none	Score	.84
Exons	662..760, 1115..1186		

Seq. No.	3630	Seq. ID	OJ990402_27.9819.C11
Gene No.	7749	Strand	-
Start	662	End	1198
Name	OJ990402_27.9819.C11.o1.np	Method	AAT/NAP
Start	665	End	1198
GI	5852178	Score	166
Exons	665..768, 1133..1198		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	3631	Seq. ID	OJ990402_27.9819.C14
Gene No.	7750	Strand	+
Start	1	End	1020
Name	OJ990402_27.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	1020
GI	6498441	Score	657
Exons	1..165, 352..521, 556..1020		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3631	Seq. ID	OJ990402_27.9819.C14
Gene No.	7750	Strand	+
Start	1	End	1020
Name	OJ990402_27.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	28	End	476
GI	none	Score	221
Exons	28..261, 105..263, 130..267, 334..372, 345..371, 381..476, 383..439		

Seq. No.	3631	Seq. ID	OJ990402_27.9819.C14
Gene No.	7750	Strand	+
Start	1	End	1020
Name	OJ990402_27.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	557	End	859
GI	none	Score	202
Exons	557..859, 559..858		

Seq. No.	3632	Seq. ID	OJ990402_27.9819.C15
Gene No.	7751	Strand	+
Start	1	End	1009
Name	OJ990402_27.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	525
GI	1352316	Score	160
Exons	1..25, 209..278, 361..525		
GI Descrip.	DR1 PROTEIN HOMOLOG gi|633026|dbj|BAA07288| (D38110) Dr1 [Arabidopsis thaliana]		

Seq. No.	3632	Seq. ID	OJ990402_27.9819.C15
Gene No.	7751	Strand	+
Start	1	End	1009
Name	OJ990402_27.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	197	End	604
GI	none	Score	70
Exons	197..283, 225..278, 226..285, 512..568	363..494, 363..479, 365..604,	

Seq. No.	3632	Seq. ID	OJ990402_27.9819.C15
Gene No.	7751	Strand	+
Start	1	End	1009
Name	OJ990402_27.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	225	End	538
GI	none	Score	65
Exons	225..278, 225..278, 226..279, 364..501, 368..538	227..283, 360..491, 363..479,	

Seq. No.	3632	Seq. ID	OJ990402_27.9819.C15
Gene No.	7751	Strand	+
Start	1	End	1009
Name	OJ990402_27.9819.C15.o1.gp	Method	AAT/GAP
Start	230	End	793
GI	LIB3475-003-P1-K2-E10	Score	901
Exons	230..278, 364..793		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	3632	Seq. ID	OJ990402_27.9819.C15
Gene No.	7751	Strand	+
Start	1	End	1009
Name	OJ990402_27.9819.C15.o1.gs	Method	GENSCAN
Start	467	End	1009
GI	none	Score	.98
Exons	467..1009		

Seq. No.	3633	Seq. ID	OJ990402_27.9819.C16
Gene No.	7752	Strand	+
Start	176	End	816
Name	OJ990402_27.9819.C16.o1.gs	Method	GENSCAN
Start	176	End	816
GI	none	Score	.69
Exons	176..356, 613..816		

Seq. No.	3634	Seq. ID	OJ990402_27.9819.C18
Gene No.	7753	Strand	+
Start	738	End	1361
Name	OJ990402_27.9819.C18.o1.gp	Method	AAT/GAP
Start	738	End	1361
GI	3761363	Score	1015
Exons	738..1361		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	3634	Seq. ID	OJ990402_27.9819.C18

Gene No.	7754	Strand	-
Start	1422	End	1735
Name	OJ990402_27.9819.C18.o1.gs	Method	GENSCAN
Start	1422	End	1617
GI	none	Score	.61
Exons	1422..1617		

Seq. No.	3634	Seq. ID	OJ990402_27.9819.C18
Gene No.	7754	Strand	-
Start	1422	End	1735
Name	OJ990402_27.9819.C18.o1.np	Method	AAT/NAP
Start	1486	End	1735
GI	5852179	Score	159
Exons	1486..1735		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	3635	Seq. ID	OJ990402_27.9819.C19
Gene No.	7755	Strand	-
Start	223	End	432
Name	OJ990402_27.9819.C19.o1.gs	Method	GENSCAN
Start	223	End	432
GI	none	Score	.76
Exons	223..432		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7756	Strand	+
Start	311	End	707
Name	OJ990402_27.9819.C20.o1.gp	Method	AAT/GAP
Start	311	End	707
GI	none	Score	748
Exons	311..707		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7757	Strand	+
Start	1276	End	1614
Name	OJ990402_27.9819.C20.o2.gp	Method	AAT/GAP
Start	1276	End	1614
GI	3762718	Score	586
Exons	1276..1614		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7758	Strand	+
Start	21278	End	21634
Name	OJ990402_27.9819.C20.o5.gp	Method	AAT/GAP
Start	21278	End	21634
GI	4879016	Score	525
Exons	21278..21634		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7759	Strand	+
Start	21643	End	21946
Name	OJ990402_27.9819.C20.o6.gp	Method	AAT/GAP
Start	21643	End	21946
GI	61605_3.R1084	Score	445

Exons	21643..21946		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7759	Strand	+
Start	21643	End	21946
Name	OJ990402_27.9819.C20.o7.gp	Method	AAT/GAP
Start	21643	End	21942
GI	61605_3.R1084	Score	446
Exons	21643..21942		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7760	Strand	+
Start	22413	End	22925
Name	OJ990402_27.9819.C20.o8.gp	Method	AAT/GAP
Start	22413	End	22925
GI	uC-osflM202048c12b1	Score	727
Exons	22413..22925		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7761	Strand	-
Start	856	End	10472
Name	OJ990402_27.9819.C20.o1.gs	Method	GENSCAN
Start	856	End	10472
GI	none	Score	.45
Exons	856..885, 1429..1611, 1827..2026, 3211..3259, 5010..5301, 8036..8163, 8184..8609, 8617..8901, 10155..10472		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7761	Strand	-
Start	856	End	10472
Name	OJ990402_27.9819.C20.o1.np	Method	AAT/NAP
Start	1437	End	5159
GI	5596439	Score	616
Exons	1437..1730, 1827..2026, 3211..3259, 5010..5159		
GI Descrip.	(AF132115) cytochrome b-561 [Arabidopsis thaliana]		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	1395	End	5139
GI	none	Score	254
Exons	1395..1721, 1396..1674, 1639..1737, 1647..1733, 1798..2055, 1802..1903, 1827..2027, 1828..2028, 3212..3265, 3213..3260, 5013..5120, 5019..5138, 5026..5139		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	1438	End	5138

GI	none	Score	186
Exons	1438..1731, 1524..1733, 1608..1733, 1827..2051, 1855..2055, 3209..3265, 5019..5138		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	1572	End	3265
GI	none	Score	87
Exons	1572..1733, 1582..1710, 1827..2051, 3203..3265		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	8550	End	10610
GI	none	Score	63
Exons	8550..8615, 8555..8620, 8731..8988, 8742..8813, 10351..10392, 10408..10605, 10422..10610		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	8761	End	8988
GI	none	Score	160
Exons	8761..8868, 8766..8825, 8869..8988, 8874..8987		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o2.gs	Method	GENSCAN
Start	12367	End	24755
GI	none	Score	.61
Exons	12367..12948, 13034..13102, 14187..14281, 14875..14964, 16000..16077, 16428..16497, 18636..18749, 18990..19172, 19429..19562, 20785..20968, 21655..21815, 21821..21940, 22966..23130, 23451..23628, 24652..24755		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o4.gp	Method	AAT/GAP
Start	12519	End	13082
GI	LIB3475-003-P1-K2-E10	Score	913
Exons	12519..12948, 13034..13082		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	12708	End	16082
GI	none	Score	164

Exons	12708..12947, 12744..12800, 12811..12948, 12818..12949, 12833..12949, 13029..13103, 13034..13102, 14182..14283, 14190..14282, 14204..14284, 14845..14925, 14862..14963, 14874..14963, 14876..14965, 16000..16059, 16001..16057, 16062..16082		
Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	12774	End	14963
GI	none	Score	172
Exons	12774..12944, 12811..12948, 12821..12952, 12833..12949, 13029..13109, 13033..13110, 13033..13104, 13034..13105, 14182..14283, 14186..14284, 14186..14281, 14187..14282, 14844..14963, 14876..14962		
Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o2.np	Method	AAT/NAP
Start	12787	End	16054
GI	1352316	Score	476
Exons	12787..12951, 13034..13102, 14187..14281, 14875..14964, 16000..16054		
GI Descrip.	DR1 PROTEIN HOMOLOG gi|633026|dbj|BAA07288| (D38110) Dr1 [Arabidopsis thaliana]		
Seq. No.	3636	Seq. ID	OJ990402_27.9819.C20
Gene No.	7762	Strand	-
Start	12367	End	24755
Name	OJ990402_27.9819.C20.o3.np	Method	AAT/NAP
Start	22312	End	24085
GI	6063554	Score	461
Exons	22312..22487, 23426..23683, 23807..24085		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7763	Strand	+
Start	1311	End	6626
Name	OJ990402_27.9819.C21.o1.np	Method	AAT/NAP
Start	1311	End	6626
GI	6498441	Score	5012
Exons	1311..2373, 2709..3159, 3223..3596, 3780..3914, 4089..4731, 4918..6251, 6345..6626		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7764	Strand	+
Start	11041	End	11322
Name	OJ990402_27.9819.C21.o3.gs	Method	GENSCAN
Start	11041	End	11322
GI	none	Score	.88

Exons	11041..11322		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7765	Strand	-
Start	5590	End	10030
Name	OJ990402_27.9819.C21.o2.np	Method	AAT/NAP
Start	5590	End	10030
GI	5803259	Score	1365
Exons	5590..5621, 6502..6695, 7361..8180, 8218..8652, 8754..10030		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o7.tw	Method	TBLASTX:Wheat
Start	1493	End	1850
GI	none	Score	119
Exons	1493..1609, 1497..1610, 1577..1816, 1578..1850		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o3.tw	Method	TBLASTX:Wheat
Start	2593	End	3123
GI	none	Score	396
Exons	2593..3123, 2593..3015, 2787..3104		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	3230	End	3693
GI	none	Score	174
Exons	3230..3673, 3231..3692, 3232..3693		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	3361	End	3717
GI	none	Score	372
Exons	3361..3717, 3397..3690, 3402..3704		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	3745	End	4131
GI	none	Score	319
Exons	3745..4131, 3807..3995		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	3805	End	4226
GI	none	Score	476

Exons	3805..4221, 3806..3973, 3807..4226		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	3880	End	4251
GI	none	Score	264
Exons	3880..4251, 3894..3992		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o6.tw	Method	TBLASTX:Wheat
Start	4603	End	5051
GI	none	Score	228
Exons	4603..4827, 4671..4829, 4696..4833, 4900..4938, 4911..4937, 4947..5051, 4949..5050		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o8.tw	Method	TBLASTX:Wheat
Start	5054	End	5387
GI	none	Score	202
Exons	5054..5386, 5085..5387		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	5496	End	5819
GI	none	Score	347
Exons	5496..5819, 5621..5806		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o4.tw	Method	TBLASTX:Wheat
Start	5633	End	6014
GI	none	Score	381
Exons	5633..5983, 5634..6014		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o5.tw	Method	TBLASTX:Wheat
Start	6018	End	6617
GI	none	Score	261
Exons	6018..6305, 6019..6084, 6020..6118, 6154..6453, 6158..6298, 6390..6464, 6422..6466, 6491..6610, 6492..6617		
Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o4.tm	Method	TBLASTX:Maize
Start	6485	End	6641

GI	none	Score	192
Exons	6485..6628, 6486..6641, 6507..6638		

Seq. No.	3637	Seq. ID	OJ990402_27.9819.C21
Gene No.	7766	Strand	-
Start	12500	End	13959
Name	OJ990402_27.9819.C21.o4.gs	Method	GENSCAN
Start	12500	End	13959
GI	none	Score	.42
Exons	12500..12639, 13953..13959		

Seq. No.	3638	Seq. ID	OJ990402_27.9819.C22
Gene No.	7767	Strand	+
Start	54	End	263
Name	OJ990402_27.9819.C22.o1.gs	Method	GENSCAN
Start	54	End	263
GI	none	Score	.83
Exons	54..111, 160..263		

Seq. No.	3639	Seq. ID	OJ990402_27.9819.C23
Gene No.	7768	Strand	-
Start	79	End	408
Name	OJ990402_27.9819.C23.o1.gp	Method	AAT/GAP
Start	79	End	408
GI	uC-osflcyp176e06b1	Score	613
Exons	79..408		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	3640	Seq. ID	OJ990422_20.9819.C1
Gene No.	7769	Strand	+
Start	1	End	735
Name	OJ990422_20.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	735
GI	2498930	Score	49
Exons	1..60, 510..578, 686..735		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3640	Seq. ID	OJ990422_20.9819.C1
Gene No.	7769	Strand	+
Start	1	End	735
Name	OJ990422_20.9819.C1.o1.gs	Method	GENSCAN
Start	519	End	578
GI	none	Score	.94
Exons	519..578		

Seq. No.	3641	Seq. ID	OJ990422_20.9819.C2
Gene No.	7770	Strand	+
Start	1	End	748
Name	OJ990422_20.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	748
GI	2498930	Score	1188
Exons	1..748		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3641	Seq. ID	OJ990422_20.9819.C2
Gene No.	7770	Strand	+
Start	1	End	748
Name	OJ990422_20.9819.C2.o1.gs	Method	GENSCAN
Start	43	End	722
GI	none	Score	.9
Exons	43..619, 634..722		

Seq. No.	3642	Seq. ID	OJ990422_20.9819.C3
Gene No.	7771	Strand	-
Start	722	End	850
Name	OJ990422_20.9819.C3.o2.gp	Method	AAT/GAP
Start	722	End	850
GI	uC-osf1M202014d12b1	Score	238
Exons	722..850		
GI Descrip.	'2462777 2.0e-14 (U65090) carboxypeptidase D [Homo sapiens]'		

Seq. No.	3643	Seq. ID	OJ990422_20.9819.C4
Gene No.	7772	Strand	+
Start	1	End	1231
Name	OJ990422_20.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	722349	Score	116
Exons	1..27, 249..331, 406..499, 603..674, 755..871, 1160..1231		
GI Descrip.	(U22360) Guf1p [Saccharomyces cerevisiae]		

Seq. No.	3643	Seq. ID	OJ990422_20.9819.C4
Gene No.	7772	Strand	+
Start	1	End	1231
Name	OJ990422_20.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	250	End	872
GI	none	Score	86
Exons	250..315, 252..305, 392..505, 393..500, 603..671, 604..675, 755..862, 756..872, 773..841		

Seq. No.	3643	Seq. ID	OJ990422_20.9819.C4
Gene No.	7772	Strand	+
Start	1	End	1231
Name	OJ990422_20.9819.C4.o1.gs	Method	GENSCAN
Start	377	End	871
GI	none	Score	.82
Exons	377..495, 758..871		

Seq. No.	3643	Seq. ID	OJ990422_20.9819.C4
Gene No.	7772	Strand	+
Start	1	End	1231
Name	OJ990422_20.9819.C4.o1.gp	Method	AAT/GAP
Start	392	End	874
GI	3768057	Score	536
Exons	392..499, 603..674, 758..874		
GI Descrip.	6016494/sp|O67618|LEPA_AQUAE 8.0e-27 GTP-BINDING PROTEIN LEPA >gi_2984041 (AE000753) G-protein LepA [Aquifex aeolicus]		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7773	Strand	+
Start	422	End	2754
Name	OJ990422_20.9819.C5.o1.np	Method	AAT/NAP

Start	422	End	1702
GI	2506378	Score	322
Exons	422..572, 773..832, 1528..1702		
GI Descrip.	GTP-BINDING PROTEIN LEPA gi|1788922 (AE000343) GTP-binding elongation factor, may be inner membrane protein [Escherichia coli]		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7773	Strand	+
Start	422	End	2754
Name	OJ990422_20.9819.C5.o1.gs	Method	GENSCAN
Start	432	End	2754
GI	none	Score	.92
Exons	432..572, 773..832, 1528..1684, 2614..2754		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7773	Strand	+
Start	422	End	2754
Name	OJ990422_20.9819.C5.o1.gp	Method	AAT/GAP
Start	470	End	1925
GI	16112_1.R1084	Score	797
Exons	470..572, 773..832, 1528..1798, 1887..1925		
GI Descrip.	'1708794/sp|P37949|LEPA_BACSU 8.0e-26 GTP-BINDING PROTEIN LEPA >gi_1122398_emb_CAA62842_ (X91655) lepA [Bacillus subtilis] >gi_1303804_dbj_BAA12460_ (D84432) YqeQ [Bacillus subtilis] >gi_2634997_emb_CAB14493_ (Z99117) GTP-binding protein [Bacillus subtilis]'		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7773	Strand	+
Start	422	End	2754
Name	OJ990422_20.9819.C5.o2.gp	Method	AAT/GAP
Start	2483	End	2748
GI	none	Score	458
Exons	2483..2748		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7774	Strand	+
Start	3339	End	17152
Name	OJ990422_20.9819.C5.o4.gp	Method	AAT/GAP
Start	3312	End	6034
GI	uC-osf1M202014d12b1	Score	748
Exons	3312..3438, 3954..4014, 4121..4216, 4900..4930, 5014..5070, 5975..6034		
GI Descrip.	'2462777 2.0e-14 (U65090) carboxypeptidase D [Homo sapiens]'		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7774	Strand	+
Start	3339	End	17152
Name	OJ990422_20.9819.C5.o2.gs	Method	GENSCAN
Start	3339	End	17152
GI	none	Score	.51
Exons	3339..3684, 3878..3913, 5599..5777, 5975..6070, 6224..6346, 6441..6545, 8469..8531, 9425..9508, 9724..9787, 10105..10318, 11562..11761, 12971..13140, 15373..15451, 15835..15895, 16717..17152		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7774	Strand	+
Start	3339	End	17152
Name	OJ990422_20.9819.C5.o3.np	Method	AAT/NAP
Start	4143	End	8444
GI	6682608	Score	827
Exons	4143..4216, 4900..4930, 5014..5070, 5975..6070, 6224..6350, 6384..6545, 7571..7624, 8036..8154, 8268..8444		
GI Descrip.	(AC016163) putative carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7774	Strand	+
Start	3339	End	17152
Name	OJ990422_20.9819.C5.o5.gp	Method	AAT/GAP
Start	8260	End	8652
GI	none	Score	773
Exons	8260..8652		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7775	Strand	-
Start	18156	End	18255
Name	OJ990422_20.9819.C5.o6.gp	Method	AAT/GAP
Start	18156	End	18255
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	18156..18255		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o9.tm	Method	TBLASTX:Maize
Start	427	End	576
GI	none	Score	200
Exons	427..573, 432..569, 433..576, 434..574		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	4883	End	6546
GI	none	Score	66
Exons	4883..4930, 4885..4917, 5010..5084, 5012..5068, 5014..5085, 5014..5085, 5968..6072, 5969..6082, 5972..6085, 6223..6345, 6223..6345, 6224..6346, 6438..6545, 6440..6544, 6445..6546, 6466..6546		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	8006	End	8531
GI	none	Score	236
Exons	8006..8158, 8006..8161, 8020..8163, 8262..8372, 8263..8346, 8269..8373, 8466..8531, 8469..8531		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o3.gs	Method	GENSCAN
Start	19321	End	25810
GI	none	Score	.63
Exons	19321..19538, 20387..21773, 21825..23420, 23502..24384, 24857..25145, 25154..25359, 25686..25810		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o4.np	Method	AAT/NAP
Start	19445	End	26371
GI	6466937	Score	2382
Exons	19445..19545, 20476..24212, 24269..24724, 26316..26371		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	20589	End	21041
GI	none	Score	43
Exons	20589..20663, 20593..20637, 20658..21041, 20671..21021		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	20622	End	21032
GI	none	Score	173
Exons	20622..21032, 20692..20979		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	21093	End	21482
GI	none	Score	144
Exons	21093..21290, 21285..21482		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	21103	End	21737
GI	none	Score	136
Exons	21103..21285, 21105..21290, 21285..21737, 21286..21633		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	21330	End	21713
GI	none	Score	106

Exons	21330..21713, 21421..21591		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	21570	End	21968
GI	none	Score	64
Exons	21570..21968, 21679..21831		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o7.tm	Method	TBLASTX:Maize
Start	21738	End	22163
GI	none	Score	38
Exons	21738..21968, 21893..21946, 21990..22163, 21991..22161		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	22149	End	22406
GI	none	Score	90
Exons	22149..22406, 22255..22404		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	22164	End	22691
GI	none	Score	112
Exons	22164..22529, 22164..22691, 22171..22494, 22576..22686		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	22314	End	22715
GI	none	Score	273
Exons	22314..22715		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	22440	End	22806
GI	none	Score	85
Exons	22440..22787, 22579..22806		
Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	22710	End	23186
GI	none	Score	187
Exons	22710..23180, 22710..23186, 22939..23181		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	22764	End	23246
GI	none	Score	51
Exons	22764..23246, 22768..22902, 22806..23096, 22939..23145		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	22896	End	23210
GI	none	Score	216
Exons	22896..23210		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o8.tm	Method	TBLASTX:Maize
Start	23457	End	24071
GI	none	Score	124
Exons	23457..23546, 23634..23876, 23943..24071		

Seq. No.	3644	Seq. ID	OJ990422_20.9819.C5
Gene No.	7776	Strand	-
Start	19321	End	26485
Name	OJ990422_20.9819.C5.o5.np	Method	AAT/NAP
Start	26238	End	26485
GI	5932442	Score	123
Exons	26238..26485		
GI Descrip.	(AF188620) GTP-binding protein LepA [Bordetella pertussis]		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o1.gp	Method	AAT/GAP
Start	5041	End	5513
GI	uC-osflcyp023e12b1	Score	934
Exons	5041..5513		
GI Descrip.	'629849/pir||S43335 3.0e-45 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o2.gs	Method	GENSCAN
Start	5113	End	6527
GI	none	Score	.86
Exons	5113..6015, 6102..6527		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o1.np	Method	AAT/NAP
Start	5116	End	6524

GI	629849	Score	1865
Exons	5116..6074, 6173..6524		
GI Descrip.	pectate lyase (EC 4.2.2.2) - maize gi|405535 (L20140) homology with pectate lyase [Zea mays]		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o5.gp	Method	AAT/GAP
Start	5934	End	6669
GI	28922_1.R1084	Score	1070
Exons	5934..6074, 6173..6669		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o4.gp	Method	AAT/GAP
Start	5936	End	6669
GI	28922_1.R1084	Score	1066
Exons	5936..6074, 6173..6669		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o3.gp	Method	AAT/GAP
Start	5937	End	6669
GI	28922_1.R1084	Score	1064
Exons	5937..6074, 6173..6669		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7777	Strand	+
Start	5113	End	6669
Name	OJ990422_20.9819.C6.o2.gp	Method	AAT/GAP
Start	5938	End	6669
GI	28922_1.R1084	Score	1062
Exons	5938..6074, 6173..6669		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7778	Strand	+
Start	6815	End	7432
Name	OJ990422_20.9819.C6.o3.gs	Method	GENSCAN
Start	6815	End	7432
GI	none	Score	.98
Exons	6815..7432		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7779	Strand	+
Start	13638	End	22691
Name	OJ990422_20.9819.C6.o5.gs	Method	GENSCAN

Start	13638	End	22691
GI	none	Score	.82
Exons	13638..13640, 13795..13815, 14901..14937, 15023..15348, 15447..15578, 15663..15811, 16318..16386, 16509..16659, 16741..16806, 17245..17433, 18053..18193, 18284..18358, 18483..18659, 18760..18851, 18928..19044, 19486..19600, 19659..19793, 20156..20352, 20487..20532, 20645..20751, 20868..21012, 21202..21298, 22561..22691		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7779	Strand	+
Start	13638	End	22691
Name	OJ990422_20.9819.C6.o3.np	Method	AAT/NAP
Start	13936	End	21333
GI	6453853	Score	3319
Exons	13936..14000, 14124..14178, 14901..14937, 15023..15348, 15447..15578, 15663..15811, 16318..16386, 16509..16656, 16741..16806, 17245..17433, 18053..18193, 18284..18358, 18483..18659, 18760..18851, 18928..19044, 19486..19600, 19722..19793, 20156..20352, 20439..20532, 20645..20751, 20868..21031, 21188..21333		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7779	Strand	+
Start	13638	End	22691
Name	OJ990422_20.9819.C6.o8.gp	Method	AAT/GAP
Start	18553	End	19823
GI	14052_1.R1084	Score	877
Exons	18553..18659, 18760..18851, 18928..19044, 19486..19600, 19722..19823		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 3.0e-78 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7779	Strand	+
Start	13638	End	22691
Name	OJ990422_20.9819.C6.o9.gp	Method	AAT/GAP
Start	20263	End	21258
GI	55249_1.R1084	Score	871
Exons	20263..20352, 20439..20532, 20645..20751, 20868..21012, 21202..21258		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-50 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7780	Strand	-
Start	797	End	2879
Name	OJ990422_20.9819.C6.o1.gs	Method	GENSCAN
Start	797	End	2879
GI	none	Score	.56
Exons	797..946, 1372..1569, 2064..2228, 2340..2429, 2769..2879		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6

Gene No.	7781	Strand	-
Start	8156	End	13219
Name	OJ990422_20.9819.C6.o4.gs	Method	GENSCAN
Start	8156	End	12992
GI	none	Score	.87
Exons	8156..8257, 8844..9125, 9438..9524, 9972..10082, 10630..10709, 11587..11698, 12528..12716, 12828..12992		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7781	Strand	-
Start	8156	End	13219
Name	OJ990422_20.9819.C6.o6.gp	Method	AAT/GAP
Start	8982	End	11610
GI	702351	Score	753
Exons	8982..9125, 9438..9524, 9972..10082, 10630..10709, 11587..11610		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7781	Strand	-
Start	8156	End	13219
Name	OJ990422_20.9819.C6.o2.np	Method	AAT/NAP
Start	11587	End	12953
GI	6730735	Score	348
Exons	11587..11698, 12528..12716, 12765..12953		
GI Descrip.	(AC018849) putative DNA repair protein [Arabidopsis thaliana]		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7781	Strand	-
Start	8156	End	13219
Name	OJ990422_20.9819.C6.o7.gp	Method	AAT/GAP
Start	12602	End	13219
GI	LIB3477-001-P1-K1-B4	Score	756
Exons	12602..12716, 12828..13005, 13111..13219		
GI Descrip.	'2906008 6.0e-09 (AF034203) DNA repair protein XRCC1 [Cricetulus griseus]'		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	5296	End	6455
GI	none	Score	377
Exons	5296..5694, 5313..5696, 5691..6053, 5776..6069, 6170..6283, 6171..6455		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	5298	End	6530
GI	none	Score	1028
Exons	5298..6062, 5299..6069, 6171..6530, 6176..6526		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	5338	End	6527

GI	none	Score	378
Exons	5338..5700, 5373..5699, 5467..5700, 5697..6062, 5776..6069, 6170..6283, 6171..6527		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o5.tw	Method	TBLASTX:Wheat
Start	5665	End	6044
GI	none	Score	42
Exons	5665..5694, 5667..5690, 5685..5777, 5802..6044, 5803..6042		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o4.tw	Method	TBLASTX:Wheat
Start	6261	End	6527
GI	none	Score	259
Exons	6261..6527, 6263..6526		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	8839	End	11696
GI	none	Score	66
Exons	8839..8898, 8844..8942, 8943..9128, 8949..9125, 9430..9528, 9437..9526, 9438..9527, 9972..10088, 9973..10074, 10630..10710, 11582..11683, 11584..11682, 11584..11685, 11604..11696, 11610..11690		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	15049	End	15794
GI	none	Score	102
Exons	15049..15204, 15088..15351, 15089..15325, 15126..15347, 15178..15228, 15244..15303, 15410..15577, 15444..15584, 15444..15581, 15659..15778, 15660..15779, 15660..15794		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	15049	End	21391
GI	none	Score	122
Exons	15049..15222, 15088..15159, 15178..15228, 15244..15303, 15444..15584, 15446..15574, 15660..15815, 15662..15826, 16308..16379, 16316..16387, 16319..16387, 16504..16665, 16507..16665, 16735..16806, 16740..16802, 17228..17404, 17233..17433, 17241..17423, 17242..17433, 18044..18193, 18045..18194, 18052..18189, 18282..18356, 18283..18357, 18284..18358, 18480..18671, 18483..18662, 18488..18673, 18747..18848, 18757..18873, 18759..18851, 18925..19077, 18926..19075, 19478..19600, 19478..19600, 19479..19601, 19483..19602, 19719..19796, 19724..19789, 20148..20348,		

20159..20350, 20173..20352, 20436..20537, 20437..20535,
20642..20752, 20642..20755, 20644..20772, 20875..21012,
20877..20951, 21208..21351, 21212..21232, 21280..21366,
21353..21391

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	15085	End	15794
GI	none	Score	458
Exons	15085..15351, 15129..15347, 15444..15572, 15446..15574, 15540..15584, 15660..15794, 15684..15746		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o6.tw	Method	TBLASTX:Wheat
Start	15106	End	15392
GI	none	Score	179
Exons	15106..15348, 15156..15392, 15180..15359		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	17265	End	18162
GI	none	Score	274
Exons	17265..17429, 17266..17460, 17272..17433, 18050..18160, 18050..18160, 18051..18161, 18051..18161, 18052..18162, 18052..18162		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	17349	End	19796
GI	none	Score	123
Exons	17349..17423, 17350..17433, 18044..18193, 18044..18187, 18052..18189, 18276..18350, 18283..18357, 18284..18358, 18483..18662, 18528..18659, 18581..18667, 18755..18850, 18757..18873, 18759..18872, 18925..19065, 18926..19075, 19476..19601, 19478..19603, 19478..19603, 19719..19796, 19719..19781, 19724..19795		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	18044	End	19570
GI	none	Score	233
Exons	18044..18193, 18044..18181, 18052..18189, 18283..18357, 18284..18358, 18483..18662, 18513..18671, 18757..18813, 18758..18808, 18759..18812, 18786..18851, 18787..18873, 18880..19098, 18932..19048, 19478..19570		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6

Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	18163	End	19600
GI	none	Score	36
Exons	18163..18192, 18283..18357, 18284..18358, 18284..18358, 18288..18365, 18480..18659, 18483..18662, 18484..18672, 18484..18672, 18740..18841, 18757..18849, 18758..18841, 18759..18851, 18925..19074, 18926..19039, 18929..19075, 19460..19600, 19478..19597		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	20154	End	22179
GI	none	Score	142
Exons	20154..20339, 20154..20351, 20159..20350, 20173..20352, 20432..20530, 20434..20532, 20435..20533, 20436..20537, 20437..20535, 20642..20752, 20647..20745, 20859..20969, 20866..21012, 20866..20958, 22021..22092, 22094..22135, 22147..22179		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	20249	End	20976
GI	none	Score	135
Exons	20249..20350, 20251..20352, 20423..20533, 20434..20526, 20436..20537, 20437..20535, 20642..20752, 20644..20751, 20865..20951, 20875..20976, 20901..20954		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	20276	End	20991
GI	none	Score	130
Exons	20276..20350, 20278..20352, 20280..20351, 20432..20533, 20435..20533, 20436..20537, 20437..20535, 20642..20752, 20645..20752, 20853..20957, 20859..20969, 20866..20991, 20867..20959		

Seq. No.	3645	Seq. ID	OJ990422_20.9819.C6
Gene No.	7782	Strand	-
Start	21786	End	22265
Name	OJ990422_20.9819.C6.o10.gp	Method	AAT/GAP
Start	21786	End	22265
GI	none	Score	600
Exons	21786..22265		

Seq. No.	3646	Seq. ID	OJ990422_21.9819.C1
Gene No.	7783	Strand	-
Start	421	End	495
Name	OJ990422_21.9819.C1.o1.gp	Method	AAT/GAP
Start	421	End	495

GI	LIB3477-003-P1-K1-E9	Score	125
Exons	421..495		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7784	Strand	+
Start	9058	End	15815
Name	OJ990422_21.9819.C2.o3.gs	Method	GENSCAN
Start	9058	End	15815
GI	none	Score	.9
Exons	9058..9095, 9400..9571, 9637..12060, 12088..12921, 13518..15815		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7784	Strand	+
Start	9058	End	15815
Name	OJ990422_21.9819.C2.o1.np	Method	AAT/NAP
Start	10188	End	15812
GI	6498441	Score	6846
Exons	10188..11251, 11582..12024, 12088..12461, 12645..12779, 12953..13379, 13572..13868, 14040..15437, 15531..15812		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7785	Strand	+
Start	25724	End	30118
Name	OJ990422_21.9819.C2.o4.np	Method	AAT/NAP
Start	25724	End	30118
GI	2586082	Score	4303
Exons	25724..25943, 26044..30118		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7786	Strand	+
Start	38468	End	39865
Name	OJ990422_21.9819.C2.o5.np	Method	AAT/NAP
Start	38468	End	39865
GI	5042462	Score	111
Exons	38468..38497, 39726..39865		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7787	Strand	-
Start	6032	End	8178
Name	OJ990422_21.9819.C2.o2.gs	Method	GENSCAN
Start	6032	End	8178
GI	none	Score	.4
Exons	6032..6417, 6657..8178		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7788	Strand	-
Start	16441	End	19702
Name	OJ990422_21.9819.C2.o4.gs	Method	GENSCAN

Start	16441	End	19702
GI	none	Score	.69
Exons	16441..18346, 18441..19702		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7788	Strand	-
Start	16441	End	19702
Name	OJ990422_21.9819.C2.o2.np	Method	AAT/NAP
Start	16444	End	19702
GI	5803259	Score	4777
Exons	16444..18346, 18441..19702		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o10.tm	Method	TBLASTX:Maize
Start	6093	End	6419
GI	none	Score	44
Exons	6093..6140, 6098..6196, 6237..6419, 6245..6418		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	6296	End	22417
GI	none	Score	70
Exons	6296..6418, 6656..6673, 6739..6873, 6919..6987, 7003..7083, 7435..7815, 7489..7722, 7558..7821, 7564..7722, 7564..7722, 7780..8193, 7783..7818, 7783..7827, 7867..8268, 7867..8193, 7867..8193, 7867..8253, 7870..8271, 7888..8007, 7930..8196, 8104..8193, 8200..8292, 8371..8472, 21416..21484, 21491..21742, 21494..21775, 21503..21766, 21504..21743, 21866..22417, 21866..22273, 21866..22021, 21866..22108, 21866..22135, 21866..22177, 21867..22094, 22010..22408, 22076..22408, 22082..22381, 22082..22321, 22154..22417, 22253..22375		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	6320	End	22450
GI	none	Score	77
Exons	6320..6418, 6739..6870, 6901..6987, 7558..7809, 7561..7722, 7564..7821, 7564..7722, 7564..7722, 7567..7821, 7567..7821, 7567..7722, 7568..7819, 7585..7821, 7640..7759, 7661..7858, 7847..8020, 7847..7951, 7867..8196, 7867..8193, 7867..7953, 7867..8193, 7867..8193, 7867..8199, 7867..8253, 7867..8196, 7873..8193, 7903..8124, 7960..8250, 8002..8193, 8023..8157, 8200..8259, 8317..8451, 21416..21475, 21491..21796, 21491..21742, 21491..21739, 21491..21757, 21494..21757, 21494..21670, 21494..21751, 21503..21742, 21503..21742, 21504..21731, 21810..22106, 21866..22450, 21866..21961, 21866..22249, 21866..22273, 21866..22108, 21867..22094, 21938..22345, 21959..22114, 21962..22225, 22010..22384, 22011..22241, 22070..22390, 22073..22417, 22082..22321, 22100..22324, 22103..22267, 22142..22417, 22221..22313,		

22226..22450

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	6664	End	7093
GI	none	Score	173
Exons	6664..6750, 6739..7092, 6740..7093		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o4.tc	Method	TBLASTX:Cress
Start	6988	End	7233
GI	none	Score	100
Exons	6988..7233, 7031..7216		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o11.tw	Method	TBLASTX:Wheat
Start	7496	End	22345
GI	none	Score	60
Exons	7496..7651, 7567..7722, 7567..7686, 7867..8040, 7903..8121, 7919..8107, 7948..8361, 8183..8278, 21548..21778, 21567..21761, 21866..21991, 21866..21931, 22100..22345, 22134..22325		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	7496	End	22420
GI	none	Score	65
Exons	7496..7681, 7567..7827, 7567..7821, 7567..7722, 7567..7722, 7568..7807, 7621..7821, 7853..8086, 7867..8190, 7867..8043, 7867..7983, 7921..8199, 7921..8184, 7984..8196, 8167..8295, 8371..8466, 21410..21484, 21491..21751, 21494..21757, 21494..21751, 21503..21751, 21629..21748, 21866..22120, 21866..22021, 21866..22270, 21867..22310, 21936..22190, 21938..22180, 22011..22259, 22073..22387, 22073..22321, 22082..22390, 22139..22420, 22142..22420		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o9.tw	Method	TBLASTX:Wheat
Start	10336	End	10728
GI	none	Score	58
Exons	10336..10383, 10390..10488, 10395..10487, 10455..10694, 10471..10728		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o12.tm	Method	TBLASTX:Maize
Start	10341	End	10626

GI	none	Score	191
Exons	10341..10625, 10378..10626		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o7.tw	Method	TBLASTX:Wheat
Start	10736	End	14174
GI	none	Score	236
Exons	10736..10789, 13740..13991, 13805..13981, 14025..14174, 14034..14171, 14036..14173		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	11466	End	33792
GI	none	Score	359
Exons	11466..11639, 11467..11865, 11661..11864, 11778..11867, 33616..33792		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	12095	End	12558
GI	none	Score	223
Exons	12095..12538, 12096..12551, 12097..12558, 12097..12552		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o8.ts	Method	TBLASTX:Soybean
Start	12136	End	12501
GI	none	Score	117
Exons	12136..12360, 12367..12501		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	12226	End	12582
GI	none	Score	390
Exons	12226..12582, 12261..12572, 12277..12582		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	12609	End	12992
GI	none	Score	283
Exons	12609..12887, 12610..12888, 12882..12992		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o2.tw	Method	TBLASTX:Wheat

Start	12666	End	13085
GI	none	Score	280
Exons	12666..12887, 12667..12897, 12667..12888, 12879..13085, 12905..13078		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o5.ts	Method	TBLASTX:Soybean
Start	12745	End	13115
GI	none	Score	154
Exons	12745..12888, 12762..12887, 12885..13115		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o7.ts	Method	TBLASTX:Soybean
Start	13863	End	14429
GI	5666795	Score	68
Exons	13863..13961, 14037..14174, 14229..14429		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o13.tw	Method	TBLASTX:Wheat
Start	14177	End	14489
GI	none	Score	188
Exons	14177..14353, 14229..14489		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	14682	End	15005
GI	none	Score	339
Exons	14682..15005, 14711..14992		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o6.tw	Method	TBLASTX:Wheat
Start	14823	End	15200
GI	none	Score	353
Exons	14823..15200, 14921..15169		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o12.tw	Method	TBLASTX:Wheat
Start	15201	End	15803
GI	none	Score	255
Exons	15201..15485, 15203..15511, 15206..15484, 15677..15799, 15678..15803		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-

Start	21406	End	33792
Name	OJ990422_21.9819.C2.o3.np	Method	AAT/NAP
Start	21406	End	22409
GI	1184075	Score	474
Exons	21406..22409		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o9.tm	Method	TBLASTX:Maize
Start	26607	End	26882
GI	none	Score	260
Exons	26607..26882, 26625..26882		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	26718	End	27089
GI	none	Score	404
Exons	26718..27089, 26742..27071, 26756..27088		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o6.ts	Method	TBLASTX:Soybean
Start	27156	End	27569
GI	none	Score	78
Exons	27156..27260, 27267..27380, 27399..27569		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	27564	End	28028
GI	none	Score	360
Exons	27564..28028, 27576..27926, 27902..28018		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o8.tm	Method	TBLASTX:Maize
Start	27573	End	28000
GI	none	Score	64
Exons	27573..27662, 27638..28000, 27684..27998		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	27576	End	28010
GI	none	Score	269
Exons	27576..28010		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2

Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o10.tw	Method	TBLASTX:Wheat
Start	27668	End	28028
GI	none	Score	272
Exons	27668..27859, 27681..28028		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	28610	End	29086
GI	5509260	Score	378
Exons	28610..29086, 28726..29067		
GI Descrip.	-		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o11.tm	Method	TBLASTX:Maize
Start	28636	End	28888
GI	none	Score	219
Exons	28636..28887, 28637..28888		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	28705	End	28975
GI	none	Score	293
Exons	28705..28956, 28706..28975		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o8.tw	Method	TBLASTX:Wheat
Start	28756	End	29269
GI	none	Score	273
Exons	28756..28890, 28757..29101, 28909..28980, 29087..29269		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	28889	End	29329
GI	none	Score	420
Exons	28889..29329, 28909..29208		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o6.tc	Method	TBLASTX:Cress
Start	29147	End	29398
GI	none	Score	193
Exons	29147..29398		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2

Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	29270	End	29707
GI	none	Score	423
Exons	29270..29707, 29290..29592		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	29459	End	30109
GI	none	Score	280
Exons	29459..29866, 29461..29622, 29707..29808, 29893..30018, 29897..30109		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	29471	End	30118
GI	none	Score	516
Exons	29471..30118, 29473..29598, 29704..29841, 29897..30058		

Seq. No.	3647	Seq. ID	OJ990422_21.9819.C2
Gene No.	7789	Strand	-
Start	21406	End	33792
Name	OJ990422_21.9819.C2.o5.tc	Method	TBLASTX:Cress
Start	29663	End	30130
GI	none	Score	55
Exons	29663..29734, 29744..29887, 29900..30130		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7790	Strand	+
Start	1282	End	3606
Name	OJ990422_21.9819.C3.o1.gs	Method	GENSCAN
Start	1282	End	3606
GI	none	Score	.65
Exons	1282..1380, 2871..2972, 3415..3606		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7791	Strand	+
Start	10508	End	11689
Name	OJ990422_21.9819.C3.o3.gs	Method	GENSCAN
Start	10508	End	11689
GI	none	Score	.99
Exons	10508..10510, 10645..10706, 11542..11689		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7792	Strand	+
Start	16009	End	16713
Name	OJ990422_21.9819.C3.o5.gs	Method	GENSCAN
Start	16009	End	16713
GI	none	Score	.69
Exons	16009..16366, 16458..16538, 16628..16713		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3

Gene No.	7793	Strand	-
Start	4246	End	8820
Name	OJ990422_21.9819.C3.o2.gs	Method	GENSCAN
Start	4246	End	8417
GI	none	Score	.53
Exons	4246..4613, 4762..5334, 5701..5804, 5864..6107, 6245..6418, 6432..7038, 7420..7595, 7694..8417		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7793	Strand	-
Start	4246	End	8820
Name	OJ990422_21.9819.C3.o1.np	Method	AAT/NAP
Start	4249	End	8820
GI	2586083	Score	1722
Exons	4249..4613, 4762..5250, 6348..8017, 8378..8820		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7794	Strand	-
Start	13020	End	15433
Name	OJ990422_21.9819.C3.o4.gs	Method	GENSCAN
Start	13020	End	15433
GI	none	Score	.81
Exons	13020..13271, 13349..13469, 13645..13687, 13769..13831, 13935..14307, 14381..14448, 14922..15065, 15172..15433		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	251	End	5215
GI	none	Score	46
Exons	251..391, 440..550, 4769..4795, 4776..4832, 4838..5215, 4839..5162		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	440	End	6459
GI	none	Score	95
Exons	440..553, 545..604, 4432..4614, 4439..4615, 4763..5008, 4842..5015, 5042..5251, 5045..5242, 6379..6459		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	4315	End	4620
GI	none	Score	137
Exons	4315..4371, 4417..4620, 4433..4615		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	4516	End	8586

GI	none	Score	64
Exons	4516..4614, 4838..5029, 4845..4988, 5144..5242, 6667..6777, 6676..6951, 6724..6951, 6724..6948, 6727..6924, 6727..6948, 6727..6951, 6727..6948, 6727..6948, 6727..7053, 6727..6888, 6728..6838, 6730..6948, 6730..7053, 6731..7033, 6931..7050, 7057..7401, 7060..7416, 7063..7425, 7063..7425, 7063..7410, 7063..7416, 7063..7296, 7090..7449, 7090..7158, 7090..7425, 7090..7449, 7091..7330, 7093..7431, 7159..7425, 7204..7434, 7223..7402, 7321..7440, 7399..7524, 7417..7518, 7464..7490, 7600..7689, 7603..7689, 7720..7770, 7725..7793, 7728..8267, 7731..8357, 7731..8225, 7731..8030, 7734..8222, 7734..8429, 7752..8495, 7815..8357, 7818..8495, 7887..8429, 7947..8453, 7960..8259, 8104..8280, 8229..8528, 8449..8586, 8449..8577		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	6721	End	8616
GI	none	Score	93
Exons	6721..6948, 6727..6924, 6728..6925, 6796..7038, 6796..6948, 6872..7027, 7072..7347, 7081..7329, 7081..7272, 7090..7425, 7150..7425, 7288..7401, 7734..7997, 7734..7934, 7734..8003, 7743..8198, 7807..8136, 7815..8102, 7815..8279, 7887..8357, 7959..8435, 8026..8130, 8031..8447, 8031..8285, 8094..8351, 8104..8259, 8154..8438, 8310..8453, 8317..8409, 8376..8429, 8379..8447, 8443..8589, 8458..8616		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	6727	End	8586
GI	none	Score	89
Exons	6727..7053, 6727..6948, 6727..6948, 6727..6948, 6730..7053, 6797..7027, 7057..7401, 7060..7437, 7063..7416, 7088..7180, 7090..7161, 7228..7302, 7241..7435, 7243..7431, 7309..7410, 7405..7533, 7600..7686, 7604..7696, 7731..8279, 7731..8234, 7734..8366, 7741..8127, 7752..8438, 7816..8043, 7818..8459, 7881..7955, 7948..8187, 8010..8441, 8250..8528, 8449..8586, 8449..8577		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	6853	End	7937
GI	none	Score	142
Exons	6853..6942, 7183..7287, 7322..7603, 7324..7605, 7324..7602, 7836..7937		

Seq. No.	3648	Seq. ID	OJ990422_21.9819.C3
Gene No.	7795	Strand	-
Start	17797	End	18506
Name	OJ990422_21.9819.C3.o6.gs	Method	GENSCAN
Start	17797	End	18506
GI	none	Score	.53

Exons	17797..18013, 18078..18190, 18249..18506		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o1.gs	Method	GENSCAN
Start	112	End	8528
GI	none	Score	.5
Exons	112..266, 359..452, 583..661, 747..823, 1029..1152, 1221..1494, 1585..1735, 2033..4958, 5041..6458, 6484..6580, 6669..6846, 7153..7255, 7574..7840, 8401..8528		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o1.np	Method	AAT/NAP
Start	2032	End	6380
GI	4585985	Score	2516
Exons	2032..2912, 2940..3378, 3613..4958, 5041..5517, 5740..6253, 6300..6380		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	2128	End	2310
GI	none	Score	79
Exons	2128..2310, 2132..2308		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	2236	End	2556
GI	none	Score	82
Exons	2236..2310, 2329..2556, 2408..2554		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	2302	End	2548
GI	none	Score	106
Exons	2302..2547, 2351..2548		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	2863	End	3232
GI	none	Score	114
Exons	2863..3204, 2881..3207, 2948..3232		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528

Name	OJ990422_21.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	3376	End	3831
GI	none	Score	81
Exons	3376..3591, 3625..3762, 3763..3831		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	4885	End	5294
GI	none	Score	86
Exons	4885..4965, 5022..5171, 5027..5161, 5165..5290, 5178..5294		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	5045	End	5473
GI	none	Score	65
Exons	5045..5152, 5058..5153, 5151..5372, 5177..5473, 5186..5440		

Seq. No.	3649	Seq. ID	OJ990422_21.9819.C4
Gene No.	7796	Strand	-
Start	112	End	8528
Name	OJ990422_21.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	5297	End	6100
GI	none	Score	42
Exons	5297..5578, 5421..5561, 5567..5794, 5582..6031, 5700..6032, 6047..6100		

Seq. No.	3650	Seq. ID	OJ990422_21.9819.C6
Gene No.	7797	Strand	+
Start	351	End	723
Name	OJ990422_21.9819.C6.o1.gs	Method	GENSCAN
Start	351	End	723
GI	none	Score	.53
Exons	351..723		

Seq. No.	3651	Seq. ID	OJ990402_21.9819.C1
Gene No.	7798	Strand	+
Start	1	End	105
Name	OJ990402_21.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	105
GI	5042454	Score	79
Exons	1..105		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3651	Seq. ID	OJ990402_21.9819.C1
Gene No.	7799	Strand	+
Start	377	End	494
Name	OJ990402_21.9819.C1.o1.gs	Method	GENSCAN
Start	377	End	494
GI	none	Score	.97
Exons	377..494		

Seq. No.	3652	Seq. ID	OJ990402_21.9819.C2
Gene No.	7800	Strand	-

Start	216	End	1221
Name	OJ990402_21.9819.C2.o1.gs	Method	GENSCAN
Start	216	End	1221
GI	none	Score	.72
Exons	216..491, 1101..1221		

Seq. No.	3653	Seq. ID	OJ990402_21.9819.C3
Gene No.	7801	Strand	+
Start	194	End	742
Name	OJ990402_21.9819.C3.o1.gs	Method	GENSCAN
Start	194	End	652
GI	none	Score	.68
Exons	194..335, 531..652		

Seq. No.	3653	Seq. ID	OJ990402_21.9819.C3
Gene No.	7801	Strand	+
Start	194	End	742
Name	OJ990402_21.9819.C3.o1.np	Method	AAT/NAP
Start	211	End	742
GI	6907089	Score	184
Exons	211..742		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3654	Seq. ID	OJ990402_21.9819.C4
Gene No.	7802	Strand	+
Start	41	End	1103
Name	OJ990402_21.9819.C4.o1.np	Method	AAT/NAP
Start	41	End	1079
GI	6721558	Score	123
Exons	41..261, 835..923, 956..1079		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3654	Seq. ID	OJ990402_21.9819.C4
Gene No.	7802	Strand	+
Start	41	End	1103
Name	OJ990402_21.9819.C4.o1.gs	Method	GENSCAN
Start	137	End	1000
GI	none	Score	.93
Exons	137..261, 328..513, 584..642, 712..1000		

Seq. No.	3654	Seq. ID	OJ990402_21.9819.C4
Gene No.	7802	Strand	+
Start	41	End	1103
Name	OJ990402_21.9819.C4.o2.np	Method	AAT/NAP
Start	253	End	1103
GI	6721561	Score	503
Exons	253..513, 584..642, 712..1103		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3655	Seq. ID	OJ990402_21.9819.C5
Gene No.	7803	Strand	-

Start	400	End	457
Name	OJ990402_21.9819.C5.o1.gs	Method	GENSCAN
Start	400	End	457
GI	none	Score	.93
Exons	400..457		

Seq. No.	3656	Seq. ID	OJ990402_21.9819.C6
Gene No.	7804	Strand	+
Start	1	End	419
Name	OJ990402_21.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	419
GI	1076802	Score	80
Exons	1..419		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	3656	Seq. ID	OJ990402_21.9819.C6
Gene No.	7805	Strand	+
Start	2630	End	7171
Name	OJ990402_21.9819.C6.o2.gs	Method	GENSCAN
Start	2630	End	7171
GI	none	Score	.61
Exons	2630..3034, 3113..4488, 4571..4723, 4908..5079, 5518..5556, 6097..6133, 7074..7171		

Seq. No.	3656	Seq. ID	OJ990402_21.9819.C6
Gene No.	7805	Strand	+
Start	2630	End	7171
Name	OJ990402_21.9819.C6.o1.gp	Method	AAT/GAP
Start	4897	End	5417
GI	LIB3431-001-P1-N1-B5	Score	766
Exons	4897..5079, 5185..5417		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	3656	Seq. ID	OJ990402_21.9819.C6
Gene No.	7806	Strand	-
Start	99	End	160
Name	OJ990402_21.9819.C6.o1.gs	Method	GENSCAN
Start	99	End	160
GI	none	Score	.72
Exons	99..160		

Seq. No.	3657	Seq. ID	OJ990402_21.9819.C7
Gene No.	7807	Strand	+
Start	570	End	5524
Name	OJ990402_21.9819.C7.o1.gs	Method	GENSCAN
Start	570	End	5524
GI	none	Score	.79
Exons	570..699, 1357..1393, 1849..1934, 2195..3142, 3277..3624, 4008..4580, 4680..4784, 4854..5524		

Seq. No.	3657	Seq. ID	OJ990402_21.9819.C7
Gene No.	7808	Strand	-
Start	7245	End	13567
Name	OJ990402_21.9819.C7.o1.gp	Method	AAT/GAP

Start	7087	End	7338
GI	5004669	Score	478
Exons	7087..7338		

Seq. No.	3657	Seq. ID	OJ990402_21.9819.C7
Gene No.	7808	Strand	-
Start	7245	End	13567
Name	OJ990402_21.9819.C7.o2.gs	Method	GENSCAN
Start	7245	End	13567
GI	none	Score	.77
Exons	7245..8011, 8767..8883, 9595..9753, 11371..11456, 12147..13567		

Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7809	Strand	+
Start	1714	End	6454
Name	OJ990402_21.9819.C8.o1.gs	Method	GENSCAN
Start	1714	End	6017
GI	none	Score	.42
Exons	1714..1823, 2203..2326, 4054..4505, 4620..4683, 4753..5130, 5481..5539, 5812..6017		

Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7809	Strand	+
Start	1714	End	6454
Name	OJ990402_21.9819.C8.o2.np	Method	AAT/NAP
Start	5047	End	6454
GI	6069646	Score	242
Exons	5047..5208, 5813..6454		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7810	Strand	-
Start	1	End	2451
Name	OJ990402_21.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	2451
GI	4680203	Score	259
Exons	1..274, 2411..2451		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7811	Strand	-
Start	5459	End	5541
Name	OJ990402_21.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	33	End	222
GI	none	Score	78
Exons	33..221, 36..221, 37..222		

Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7811	Strand	-
Start	5459	End	5541
Name	OJ990402_21.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	34	End	270
GI	none	Score	49

Exons	34..84, 48..269, 106..165, 202..270		
Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7811	Strand	-
Start	5459	End	5541
Name	OJ990402_21.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	36	End	248
GI	none	Score	93
Exons	36..236, 36..248, 37..246		
Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7811	Strand	-
Start	5459	End	5541
Name	OJ990402_21.9819.C8.o1.gp	Method	AAT/GAP
Start	5459	End	5541
GI	LIB3479-006-Q6-K1-B11	Score	88
Exons	5459..5541		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7812	Strand	
Start	5528	End	5914
Name	OJ990402_21.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	5528	End	5914
GI	none	Score	296
Exons	5528..5914, 5653..5838		
Seq. No.	3658	Seq. ID	OJ990402_21.9819.C8
Gene No.	7813	Strand	
Start	6089	End	6400
Name	OJ990402_21.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	6089	End	6400
GI	none	Score	222
Exons	6089..6400		
Seq. No.	3659	Seq. ID	OJ990402_21.9819.C9
Gene No.	7814	Strand	+
Start	1	End	1020
Name	OJ990402_21.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	657
GI	549986	Score	99
Exons	1..104, 412..657		
GI Descrip.	(U13149) possible apospory-associated protein [Pennisetum ciliare]		
Seq. No.	3659	Seq. ID	OJ990402_21.9819.C9
Gene No.	7814	Strand	+
Start	1	End	1020
Name	OJ990402_21.9819.C9.o1.gs	Method	GENSCAN
Start	30	End	1020
GI	none	Score	.76
Exons	30..130, 242..350, 433..578, 666..739, 927..1020		
Seq. No.	3659	Seq. ID	OJ990402_21.9819.C9
Gene No.	7814	Strand	+
Start	1	End	1020

Name	OJ990402_21.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	261	End	732
GI	none	Score	154
Exons	261..350, 261..350, 400..564, 663..731, 664..732	430..579, 432..578, 663..731, 664..732	

Seq. No.	3660	Seq. ID	OJ990402_21.9819.C10
Gene No.	7815	Strand	+
Start	155	End	4028
Name	OJ990402_21.9819.C10.o1.gs	Method	GENSCAN
Start	155	End	4028
GI	none	Score	.87
Exons	155..2070, 2365..2498, 2575..2627, 2688..2811, 3797..4028		

Seq. No.	3660	Seq. ID	OJ990402_21.9819.C10
Gene No.	7816	Strand	-
Start	4303	End	4479
Name	OJ990402_21.9819.C10.o2.gs	Method	GENSCAN
Start	4303	End	4479
GI	none	Score	1
Exons	4303..4479		

Seq. No.	3661	Seq. ID	OJ990402_21.9819.C12
Gene No.	7817	Strand	+
Start	374	End	442
Name	OJ990402_21.9819.C12.o1.gp	Method	AAT/GAP
Start	374	End	442
GI	LIB3477-003-P1-K1-E9	Score	78
Exons	374..442		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3661	Seq. ID	OJ990402_21.9819.C12
Gene No.	7818	Strand	-
Start	561	End	1153
Name	OJ990402_21.9819.C12.o1.gs	Method	GENSCAN
Start	561	End	1153
GI	none	Score	.67
Exons	561..867, 957..1153		

Seq. No.	3662	Seq. ID	OJ990402_21.9819.C14
Gene No.	7819	Strand	-
Start	211	End	1558
Name	OJ990402_21.9819.C14.o1.gs	Method	GENSCAN
Start	211	End	1558
GI	none	Score	.49
Exons	211..373, 463..857, 1421..1558		

Seq. No.	3663	Seq. ID	OJ990402_21.9819.C15
Gene No.	7820	Strand	+
Start	1	End	759
Name	OJ990402_21.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	759
GI	4680203	Score	341
Exons	1..610, 731..759		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3663	Seq. ID	OJ990402_21.9819.C15
Gene No.	7820	Strand	+
Start	1	End	759
Name	OJ990402_21.9819.C15.o1.gp	Method	AAT/GAP
Start	32	End	293
GI	5002953	Score	472
Exons	32..293		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3663	Seq. ID	OJ990402_21.9819.C15
Gene No.	7820	Strand	+
Start	1	End	759
Name	OJ990402_21.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	73	End	459
GI	none	Score	148
Exons	73..228, 84..203, 253..459, 279..458		

Seq. No.	3663	Seq. ID	OJ990402_21.9819.C15
Gene No.	7820	Strand	+
Start	1	End	759
Name	OJ990402_21.9819.C15.o1.gs	Method	GENSCAN
Start	97	End	573
GI	none	Score	.41
Exons	97..573		

Seq. No.	3664	Seq. ID	OJ990402_21.9819.C16
Gene No.	7821	Strand	-
Start	1	End	608
Name	OJ990402_21.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	608
GI	5803259	Score	201
Exons	1..246, 329..608		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	3664	Seq. ID	OJ990402_21.9819.C16
Gene No.	7821	Strand	-
Start	1	End	608
Name	OJ990402_21.9819.C16.o1.gs	Method	GENSCAN
Start	133	End	393
GI	none	Score	.75
Exons	133..393		

Seq. No.	3665	Seq. ID	OJ990402_21.9819.C18
Gene No.	7822	Strand	-
Start	771	End	1662
Name	OJ990402_21.9819.C18.o1.gs	Method	GENSCAN
Start	771	End	1662
GI	none	Score	.94
Exons	771..1036, 1605..1662		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7823	Strand	+
Start	3570	End	5820
Name	OJ990402_21.9819.C20.o1.gs	Method	GENSCAN
Start	3570	End	5820

GI	none	Score	.85
Exons	3570..3743, 3784..3930, 4071..4172, 4289..4342, 4458..4550, 4795..4887, 5080..5220, 5345..5443, 5530..5820		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7823	Strand	+
Start	3570	End	5820
Name	OJ990402_21.9819.C20.o1.np	Method	AAT/NAP
Start	3570	End	5817
GI	3297819	Score	1276
Exons	3570..3743, 3856..3930, 4071..4172, 4289..4342, 4458..4550, 4795..4887, 5116..5220, 5345..5443, 5530..5817		
GI Descrip.	(AL031032) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7823	Strand	+
Start	3570	End	5820
Name	OJ990402_21.9819.C20.o1.gp	Method	AAT/GAP
Start	4435	End	5111
GI	LIB3433-020-P1-K1-D2	Score	771
Exons	4435..4550, 4795..5111		
GI Descrip.	'3297819/emb|CAA19877.1| 2.0e-28 (AL031032) protein kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7823	Strand	+
Start	3570	End	5820
Name	OJ990402_21.9819.C20.o2.gp	Method	AAT/GAP
Start	5120	End	5593
GI	2442470	Score	444
Exons	5120..5220, 5345..5443, 5530..5593		
GI Descrip.	3297819/emb|CAA19877.1| 2.0e-28 (AL031032) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7824	Strand	+
Start	6270	End	6761
Name	OJ990402_21.9819.C20.o3.gp	Method	AAT/GAP
Start	6270	End	6761
GI	uC-osflcyp160g01a1	Score	964
Exons	6270..6761		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	3570	End	5803
GI	none	Score	199
Exons	3570..3746, 3632..3739, 3849..3941, 3853..3942, 4068..4172, 4070..4171, 4286..4369, 4288..4386, 4441..4539, 4443..4550, 4457..4549, 4722..4883, 4774..4899, 4774..4887, 5113..5220, 5115..5171, 5339..5443, 5341..5454, 5529..5693, 5530..5727, 5723..5803		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20

Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	3597	End	4324
GI	none	Score	211
Exons	3597..3746, 3635..3742, 3849..3941, 3853..3942, 4068..4172, 4070..4171, 4286..4324, 4288..4323		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	3597	End	4899
GI	none	Score	232
Exons	3597..3746, 3635..3742, 3849..3941, 3853..3942, 4068..4142, 4070..4144, 4143..4172, 4286..4369, 4286..4363, 4288..4368, 4443..4550, 4457..4549, 4722..4889, 4741..4899		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	3597	End	4123
GI	none	Score	199
Exons	3597..3746, 3635..3739, 3849..3941, 3853..3942, 4068..4121, 4070..4123		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	4289	End	5724
GI	none	Score	88
Exons	4289..4369, 4297..4368, 4443..4550, 4447..4563, 4457..4546, 4722..4889, 4774..4899, 5113..5220, 5113..5220, 5339..5458, 5356..5457, 5527..5724, 5527..5613, 5528..5635, 5529..5720		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	5116	End	5812
GI	none	Score	175
Exons	5116..5220, 5116..5220, 5339..5443, 5342..5458, 5529..5714, 5530..5724, 5686..5724, 5732..5812		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o4.tm	Method	TBLASTX:Maize
Start	6262	End	6541
GI	none	Score	63
Exons	6262..6315, 6263..6367, 6370..6483, 6371..6541, 6371..6493, 6507..6539		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-

Start	6374	End	9384
Name	OJ990402_21.9819.C20.o2.gs	Method	GENSCAN
Start	6374	End	9371
GI	none	Score	.81
Exons	6374..7206, 7453..7664, 7757..8507, 9311..9371		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o2.np	Method	AAT/NAP
Start	6377	End	9384
GI	4490297	Score	1497
Exons	6377..7207, 7383..7654, 7753..8507, 9311..9384		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o3.tc	Method	TBLASTX:Cress
Start	6383	End	6763
GI	none	Score	132
Exons	6383..6490, 6528..6761, 6540..6635, 6542..6763		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	6482	End	7186
GI	none	Score	518
Exons	6482..6877, 6483..6878, 6538..6879, 6538..6879, 7004..7186		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	6486	End	8506
GI	none	Score	203
Exons	6486..6866, 6542..6865, 6635..6856, 6884..6943, 6896..6949, 6983..7207, 6989..7213, 7023..7208, 7430..7519, 7449..7520, 7520..7660, 7523..7645, 7572..7655, 7756..8505, 7759..8265, 7760..8386, 8323..8505, 8417..8506		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	6542	End	9373
GI	none	Score	418
Exons	6542..6712, 6542..6643, 6615..6941, 6615..7235, 6617..7201, 7020..7208, 7448..7681, 7449..7739, 7736..8506, 7756..8505, 9287..9370, 9306..9371, 9311..9373, 9313..9372		

Seq. No.	3666	Seq. ID	OJ990402_21.9819.C20
Gene No.	7825	Strand	-
Start	6374	End	9384
Name	OJ990402_21.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	6809	End	7607

GI	none	Score	86
Exons	6809..7210, 7044..7208, 7448..7606, 7449..7607		

Seq. No.	3667	Seq. ID	OJ990402_21.9819.C21
Gene No.	7826	Strand	-
Start	56	End	112
Name	OJ990402_21.9819.C21.o1.gs	Method	GENSCAN
Start	56	End	112
GI	none	Score	.91
Exons	56..112		

Seq. No.	3668	Seq. ID	OJ990402_21.9819.C23
Gene No.	7827	Strand	+
Start	1087	End	2103
Name	OJ990402_21.9819.C23.o2.np	Method	AAT/NAP
Start	1087	End	2103
GI	4234854	Score	979
Exons	1087..1863, 2084..2103		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	3668	Seq. ID	OJ990402_21.9819.C23
Gene No.	7828	Strand	-
Start	1	End	2103
Name	OJ990402_21.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	2103
GI	4234846	Score	478
Exons	1..1067, 2064..2103		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	3668	Seq. ID	OJ990402_21.9819.C23
Gene No.	7828	Strand	-
Start	1	End	2103
Name	OJ990402_21.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	517	End	1063
GI	none	Score	44
Exons	517..627, 536..577, 661..945, 661..1062, 701..1063, 848..1063		

Seq. No.	3668	Seq. ID	OJ990402_21.9819.C23
Gene No.	7828	Strand	-
Start	1	End	2103
Name	OJ990402_21.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	1177	End	1557
GI	none	Score	325
Exons	1177..1557, 1251..1394		

Seq. No.	3668	Seq. ID	OJ990402_21.9819.C23
Gene No.	7828	Strand	-
Start	1	End	2103
Name	OJ990402_21.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	1339	End	1871
GI	none	Score	216
Exons	1339..1572, 1353..1571, 1617..1871, 1640..1855		

Seq. No.	3669	Seq. ID	OJ990402_21.9819.C24
Gene No.	7829	Strand	-
Start	48	End	696
Name	OJ990402_21.9819.C24.o1.gs	Method	GENSCAN

Start	48	End	696
GI	none	Score	.9
Exons	48..184, 510..696		

Seq. No.	3670	Seq. ID	OJ990402_21.9819.C26
Gene No.	7830	Strand	-
Start	119	End	388
Name	OJ990402_21.9819.C26.o1.gs	Method	GENSCAN
Start	119	End	388
GI	none	Score	.45
Exons	119..181, 262..388		

Seq. No.	3671	Seq. ID	OJ990402_21.9819.C28
Gene No.	7831	Strand	-
Start	1029	End	1201
Name	OJ990402_21.9819.C28.o1.gs	Method	GENSCAN
Start	1029	End	1201
GI	none	Score	.51
Exons	1029..1201		

Seq. No.	3672	Seq. ID	OJ990402_21.9819.C29
Gene No.	7832	Strand	+
Start	1	End	2909
Name	OJ990402_21.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	2909
GI	4335773	Score	182
Exons	1..74, 559..664, 899..985, 1072..1207, 2873..2909		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	3672	Seq. ID	OJ990402_21.9819.C29
Gene No.	7832	Strand	+
Start	1	End	2909
Name	OJ990402_21.9819.C29.o1.gs	Method	GENSCAN
Start	388	End	1391
GI	none	Score	.47
Exons	388..664, 899..975, 1083..1391		

Seq. No.	3672	Seq. ID	OJ990402_21.9819.C29
Gene No.	7833	Strand	-
Start	2323	End	2764
Name	OJ990402_21.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	888	End	1261
GI	none	Score	132
Exons	888..974, 889..975, 895..975, 1080..1124, 1091..1123, 1178..1225, 1208..1261		

Seq. No.	3672	Seq. ID	OJ990402_21.9819.C29
Gene No.	7833	Strand	-
Start	2323	End	2764
Name	OJ990402_21.9819.C29.o2.gs	Method	GENSCAN
Start	2323	End	2764
GI	none	Score	.45
Exons	2323..2371, 2652..2764		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7834	Strand	+
Start	2	End	3586

Name	OJ990402_21.9819.C30.o1.gs	Method	GENSCAN
Start	2	End	3586
GI	none	Score	.8
Exons	2..22, 133..234, 367..449, 1237..1323, 1425..1776, 1925..2177, 2497..2739, 2827..2946, 3138..3586		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7834	Strand	+
Start	2	End	3586
Name	OJ990402_21.9819.C30.o1.np	Method	AAT/NAP
Start	62	End	3583
GI	4006861	Score	1192
Exons	62..234, 367..412, 757..835, 1425..1776, 1925..2177, 2497..2766, 2853..2946, 3138..3583		
GI Descrip.	(Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7834	Strand	+
Start	2	End	3586
Name	OJ990402_21.9819.C30.o2.gp	Method	AAT/GAP
Start	1695	End	2856
GI	428723	Score	626
Exons	1695..1776, 2497..2739, 2827..2856		
GI Descrip.	4006861/emb|CAB16779.1| 3.0e-15 (Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7835	Strand	-
Start	5691	End	5866
Name	OJ990402_21.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	1602	End	2171
GI	none	Score	181
Exons	1602..1778, 1609..1788, 1620..1772, 1922..2086, 1923..2063, 1924..2064, 2059..2166, 2060..2170, 2082..2171		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7835	Strand	-
Start	5691	End	5866
Name	OJ990402_21.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	2599	End	3517
GI	none	Score	205
Exons	2599..2742, 2606..2743, 2607..2738, 2820..2933, 2826..2948, 3135..3308, 3136..3309, 3137..3310, 3311..3517, 3316..3516		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7835	Strand	-
Start	5691	End	5866
Name	OJ990402_21.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	3155	End	3600
GI	none	Score	66
Exons	3155..3268, 3205..3600, 3206..3592		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7835	Strand	-
Start	5691	End	5866
Name	OJ990402_21.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	3214	End	3571

GI	none	Score	346
Exons	3214..3555, 3215..3571		

Seq. No.	3673	Seq. ID	OJ990402_21.9819.C30
Gene No.	7835	Strand	-
Start	5691	End	5866
Name	OJ990402_21.9819.C30.o2.gs	Method	GENSCAN
Start	5691	End	5866
GI	none	Score	.73
Exons	5691..5866		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o4.ts	Method	TBLASTX:Soybean
Start	657	End	1774
GI	none	Score	46
Exons	657..689, 695..823, 696..827, 1530..1586, 1724..1774		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.gs	Method	GENSCAN
Start	663	End	4465
GI	none	Score	.91
Exons	663..839, 1533..1587, 1710..3661, 3747..3905, 4337..4465		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.np	Method	AAT/NAP
Start	663	End	4494
GI	6693032	Score	3178
Exons	663..839, 1533..1608, 1710..3670, 3735..3905, 4337..4494		
GI Descrip.	(AC012375) T22C5.23 [Arabidopsis thaliana]		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o4.tm	Method	TBLASTX:Maize
Start	663	End	1583
GI	none	Score	250
Exons	663..839, 683..841, 1532..1582, 1533..1583		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	663	End	4491
GI	none	Score	241
Exons	663..836, 683..823, 1530..1583, 1706..3664, 1718..1840, 1723..2826, 2887..3291, 3319..3654, 3410..3664, 3738..3908, 3740..3907, 3741..3908, 4334..4489, 4336..4491, 4336..4458		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494

Name	OJ990402_21.9819.C31.o3.tm	Method	TBLASTX:Maize
Start	1768	End	2029
GI	none	Score	303
Exons	1768..2025, 1769..2029		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o3.ts	Method	TBLASTX:Soybean
Start	1778	End	2235
GI	none	Score	318
Exons	1778..2233, 1960..2235		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	2185	End	2989
GI	none	Score	1025
Exons	2185..2589, 2186..2989, 2201..2959		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o2.ts	Method	TBLASTX:Soybean
Start	2326	End	3037
GI	none	Score	968
Exons	2326..2826, 2327..3037, 2327..3037		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	2760	End	3106
GI	none	Score	515
Exons	2760..3104, 2762..3106, 2768..3106		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.gp	Method	AAT/GAP
Start	2957	End	3416
GI	2428315	Score	874
Exons	2957..3416		
GI Descrip.	4884966/gb|AAD31896.1|AF145478_1 6.0e-42 (AF145478) calcium ATPase [Mesembryanthemum crystallinum]		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	2993	End	4489
GI	none	Score	858
Exons	2993..3664, 2993..3646, 2995..3663, 3741..3908, 3744..3908, 4334..4489, 4336..4458		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31

Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	3041	End	4489
GI	none	Score	806
Exons	3041..3664, 3043..3663, 3711..3908, 3741..3908, 3823..3909, 4332..4451, 4334..4489, 4336..4458		

Seq. No.	3674	Seq. ID	OJ990402_21.9819.C31
Gene No.	7836	Strand	+
Start	663	End	4494
Name	OJ990402_21.9819.C31.o2.gp	Method	AAT/GAP
Start	3792	End	4494
GI	23613_1.R1084	Score	487
Exons	3792..3905, 4337..4494		
GI Descrip.	'4884966/gb|AAD31896.1|AF145478_1 3.0e-71 (AF145478) calcium ATPase [Mesembryanthemum crystallinum]'		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7837	Strand	+
Start	1	End	1103
Name	OJ990402_21.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	1103
GI	516118	Score	316
Exons	1..67, 154..250, 858..1103		
GI Descrip.	(L08469) envelope Ca2+-ATPase [Arabidopsis thaliana]		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7837	Strand	+
Start	1	End	1103
Name	OJ990402_21.9819.C32.o1.gp	Method	AAT/GAP
Start	182	End	981
GI	LIB3434-031-P1-K1-F8	Score	334
Exons	182..250, 858..981		
GI Descrip.	'4884966/gb|AAD31896.1|AF145478_1 6.0e-42 (AF145478) calcium ATPase [Mesembryanthemum crystallinum]'		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7838	Strand	-
Start	849	End	1322
Name	OJ990402_21.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	181	End	1322
GI	none	Score	98
Exons	181..255, 182..253, 830..1108, 843..1106, 855..1115, 1144..1182, 1148..1186, 1224..1322		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7838	Strand	-
Start	849	End	1322
Name	OJ990402_21.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	182	End	1100
GI	none	Score	71
Exons	182..238, 842..1099, 849..1100		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7838	Strand	-
Start	849	End	1322

Name	OJ990402_21.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	185	End	1106
GI	none	Score	96
Exons	185..253, 187..252, 843..1106, 855..944, 908..1093		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7838	Strand	-
Start	849	End	1322
Name	OJ990402_21.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	209	End	1094
GI	none	Score	62
Exons	209..253, 843..1094		

Seq. No.	3675	Seq. ID	OJ990402_21.9819.C32
Gene No.	7838	Strand	-
Start	849	End	1322
Name	OJ990402_21.9819.C32.o1.gs	Method	GENSCAN
Start	849	End	1205
GI	none	Score	.71
Exons	849..1205		

Seq. No.	3676	Seq. ID	OJ990402_21.9819.C33
Gene No.	7839	Strand	-
Start	145	End	1180
Name	OJ990402_21.9819.C33.o1.gs	Method	GENSCAN
Start	145	End	1180
GI	none	Score	.4
Exons	145..206, 381..556, 942..1093, 1109..1180		

Seq. No.	3677	Seq. ID	OJ990402_21.9819.C34
Gene No.	7840	Strand	+
Start	554	End	726
Name	OJ990402_21.9819.C34.o1.gs	Method	GENSCAN
Start	554	End	726
GI	none	Score	.65
Exons	554..726		

Seq. No.	3678	Seq. ID	OJ990402_21.9819.C35
Gene No.	7841	Strand	-
Start	1183	End	1946
Name	OJ990402_21.9819.C35.o1.gs	Method	GENSCAN
Start	1183	End	1946
GI	none	Score	.95
Exons	1183..1369, 1675..1946		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7842	Strand	+
Start	282	End	502
Name	OJ990402_21.9819.C36.o1.gs	Method	GENSCAN
Start	282	End	502
GI	none	Score	.93
Exons	282..502		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7843	Strand	-
Start	726	End	1748
Name	OJ990402_21.9819.C36.o2.tm	Method	TBLASTX:Maize

Start	714	End	870
GI	none	Score	63
Exons	714..869, 717..848, 727..870		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7843	Strand	-
Start	726	End	1748
Name	OJ990402_21.9819.C36.o2.gs	Method	GENSCAN
Start	726	End	1681
GI	none	Score	.54
Exons	726..1384, 1660..1681		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7843	Strand	-
Start	726	End	1748
Name	OJ990402_21.9819.C36.o1.np	Method	AAT/NAP
Start	729	End	1748
GI	6498441	Score	1345
Exons	729..1010, 1104..1748		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7843	Strand	-
Start	726	End	1748
Name	OJ990402_21.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	738	End	1346
GI	none	Score	69
Exons	738..863, 745..864, 891..1346, 1090..1197, 1237..1314, 1298..1336		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7843	Strand	-
Start	726	End	1748
Name	OJ990402_21.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	1323	End	1697
GI	none	Score	170
Exons	1323..1436, 1434..1697		

Seq. No.	3679	Seq. ID	OJ990402_21.9819.C36
Gene No.	7843	Strand	-
Start	726	End	1748
Name	OJ990402_21.9819.C36.o2.tw	Method	TBLASTX:Wheat
Start	1354	End	1718
GI	none	Score	188
Exons	1354..1620, 1368..1718, 1644..1718		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	4026
GI	6498441	Score	3381
Exons	1..418, 605..1248, 1421..1555, 1738..2111, 2175..2624, 2962..4026		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	47	End	610
GI	5666795	Score	58
Exons	47..229, 284..421, 512..610		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o3.tw	Method	TBLASTX:Wheat
Start	284	End	733
GI	none	Score	111
Exons	284..442, 285..425, 492..638, 509..733		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o2.ts	Method	TBLASTX:Soybean
Start	1107	End	1415
GI	none	Score	194
Exons	1107..1415		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o2.tw	Method	TBLASTX:Wheat
Start	1131	End	1533
GI	none	Score	186
Exons	1131..1418, 1168..1419, 1243..1425, 1414..1533, 1415..1528		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o2.tm	Method	TBLASTX:Maize
Start	1209	End	1591
GI	none	Score	75
Exons	1209..1418, 1336..1419, 1412..1591, 1414..1590		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	1618	End	1973
GI	none	Score	143
Exons	1618..1662, 1663..1887, 1668..1931, 1668..1973		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	1645	End	2104

GI	none	Score	222
Exons	1645..1896, 1662..2102, 1663..1887, 1972..2103, 1982..2104		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o3.ts	Method	TBLASTX:Soybean
Start	1698	End	2063
GI	none	Score	104
Exons	1698..1832, 1839..2063		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o4.tw	Method	TBLASTX:Wheat
Start	2106	End	2741
GI	none	Score	157
Exons	2106..2234, 2211..2600, 2230..2541, 2564..2728, 2568..2741		

Seq. No.	3680	Seq. ID	OJ990402_21.9819.C37
Gene No.	7844	Strand	-
Start	1	End	4026
Name	OJ990402_21.9819.C37.o5.tw	Method	TBLASTX:Wheat
Start	3489	End	3863
GI	none	Score	93
Exons	3489..3863, 3565..3750		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	717
GI	5295971	Score	714
Exons	1..717		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	87	End	288
GI	none	Score	238
Exons	87..182, 88..288		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	88	End	741
GI	none	Score	71
Exons	88..303, 89..265, 91..315, 318..434, 319..435, 433..696, 474..695, 709..741		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+

Start	1	End	741
Name	OJ990402_21.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	91	End	531
GI	none	Score	362
Exons	91..531, 234..386		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C38.o1.gs	Method	GENSCAN
Start	118	End	705
GI	none	Score	.8
Exons	118..705		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	234	End	654
GI	none	Score	153
Exons	234..434, 235..438, 475..654		

Seq. No.	3681	Seq. ID	OJ990402_21.9819.C38
Gene No.	7845	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	295	End	681
GI	none	Score	474
Exons	295..681, 295..675, 300..680		

Seq. No.	3682	Seq. ID	OJ990402_21.9819.C39
Gene No.	7846	Strand	+
Start	86	End	259
Name	OJ990402_21.9819.C39.o1.gp	Method	AAT/GAP
Start	86	End	259
GI	101595_1.R1084	Score	303
Exons	86..259		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	3682	Seq. ID	OJ990402_21.9819.C39
Gene No.	7847	Strand	-
Start	1	End	834
Name	OJ990402_21.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	301
GI	6630696	Score	352
Exons	1..301		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	3682	Seq. ID	OJ990402_21.9819.C39
Gene No.	7847	Strand	-
Start	1	End	834
Name	OJ990402_21.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	83	End	407
GI	none	Score	108

Exons	83..295, 84..221, 272..406, 309..407		
Seq. No.	3682	Seq. ID	OJ990402_21.9819.C39
Gene No.	7847	Strand	-
Start	1	End	834
Name	OJ990402_21.9819.C39.o1.gs	Method	GENSCAN
Start	91	End	834
GI	none	Score	.66
Exons	91..650, 683..834		
Seq. No.	3682	Seq. ID	OJ990402_21.9819.C39
Gene No.	7847	Strand	-
Start	1	End	834
Name	OJ990402_21.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	107	End	497
GI	none	Score	86
Exons	107..247, 108..239, 187..252, 227..406, 244..387, 273..407, 288..458, 375..497, 407..457		
Seq. No.	3683	Seq. ID	OJ990402_21.9819.C43
Gene No.	7848	Strand	+
Start	257	End	506
Name	OJ990402_21.9819.C43.o1.gp	Method	AAT/GAP
Start	257	End	506
GI	3761181	Score	430
Exons	257..506		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	3683	Seq. ID	OJ990402_21.9819.C43
Gene No.	7849	Strand	-
Start	476	End	610
Name	OJ990402_21.9819.C43.o1.gs	Method	GENSCAN
Start	476	End	610
GI	none	Score	.48
Exons	476..610		
Seq. No.	3684	Seq. ID	OJ990402_21.9819.C44
Gene No.	7850	Strand	+
Start	9	End	140
Name	OJ990402_21.9819.C44.o1.gs	Method	GENSCAN
Start	9	End	140
GI	none	Score	.81
Exons	9..140		
Seq. No.	3685	Seq. ID	OJ990402_21.9819.C45
Gene No.	7851	Strand	-
Start	149	End	533
Name	OJ990402_21.9819.C45.o1.np	Method	AAT/NAP
Start	149	End	533
GI	3882301	Score	23
Exons	149..182, 376..533		
GI Descrip.	(AB018333) KIAA0790 protein [Homo sapiens]		
Seq. No.	3686	Seq. ID	OJ990402_21.9819.C47
Gene No.	7852	Strand	-
Start	320	End	523

Name	OJ990402_21.9819.C47.o1.gs	Method	GENSCAN
Start	320	End	523
GI	none	Score	.58
Exons	320..410, 429..523		

Seq. No.	3687	Seq. ID	OJ990402_21.9819.C48
Gene No.	7853	Strand	+
Start	177	End	609
Name	OJ990402_21.9819.C48.o1.gs	Method	GENSCAN
Start	177	End	609
GI	none	Score	.63
Exons	177..306, 406..609		

Seq. No.	3688	Seq. ID	OJ990402_21.9819.C49
Gene No.	7854	Strand	-
Start	1	End	618
Name	OJ990402_21.9819.C49.o1.np	Method	AAT/NAP
Start	1	End	618
GI	6907089	Score	889
Exons	1..618		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3688	Seq. ID	OJ990402_21.9819.C49
Gene No.	7854	Strand	-
Start	1	End	618
Name	OJ990402_21.9819.C49.o1.gs	Method	GENSCAN
Start	257	End	560
GI	none	Score	.88
Exons	257..560		

Seq. No.	3689	Seq. ID	OJ990402_21.9819.C50
Gene No.	7855	Strand	+
Start	1	End	159
Name	OJ990402_21.9819.C50.o1.np	Method	AAT/NAP
Start	1	End	159
GI	4680186	Score	251
Exons	1..159		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	3689	Seq. ID	OJ990402_21.9819.C50
Gene No.	7856	Strand	+
Start	828	End	2215
Name	OJ990402_21.9819.C50.o2.np	Method	AAT/NAP
Start	828	End	2215
GI	5852180	Score	655
Exons	828..965, 1016..1433, 2186..2215		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	3689	Seq. ID	OJ990402_21.9819.C50
Gene No.	7856	Strand	+
Start	828	End	2215
Name	OJ990402_21.9819.C50.o1.gs	Method	GENSCAN
Start	961	End	1479
GI	none	Score	.99
Exons	961..1479		

Seq. No.	3689	Seq. ID	OJ990402_21.9819.C50

Gene No.	7857	Strand	-
Start	1	End	92
Name	OJ990402_21.9819.C50.o1.gp	Method	AAT/GAP
Start	1	End	92
GI	uC-osflcyp033a04b1	Score	164
Exons	1..92		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3690	Seq. ID	OJ990402_21.9819.C51
Gene No.	7858	Strand	-
Start	1	End	421
Name	OJ990402_21.9819.C51.o1.np	Method	AAT/NAP
Start	1	End	360
GI	5091513	Score	411
Exons	1..360		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3690	Seq. ID	OJ990402_21.9819.C51
Gene No.	7858	Strand	-
Start	1	End	421
Name	OJ990402_21.9819.C51.o1.gs	Method	GENSCAN
Start	96	End	421
GI	none	Score	.62
Exons	96..319, 346..421		

Seq. No.	3690	Seq. ID	OJ990402_21.9819.C51
Gene No.	7859	Strand	-
Start	435	End	734
Name	OJ990402_21.9819.C51.o1.gp	Method	AAT/GAP
Start	435	End	734
GI	uC-osflcyp053g09b1	Score	502
Exons	435..734		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	3691	Seq. ID	OJ990402_21.9819.C52
Gene No.	7860	Strand	-
Start	1	End	1243
Name	OJ990402_21.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	6498441	Score	1638
Exons	1..1243		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3691	Seq. ID	OJ990402_21.9819.C52
Gene No.	7860	Strand	-
Start	1	End	1243
Name	OJ990402_21.9819.C52.o1.tw	Method	TBLASTX:Wheat
Start	91	End	456
GI	none	Score	181
Exons	91..456, 143..433		

Seq. No.	3691	Seq. ID	OJ990402_21.9819.C52
Gene No.	7860	Strand	-

Start	1	End	1243
Name	OJ990402_21.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	97	End	459
GI	none	Score	214
Exons	97..144, 136..459, 149..430		

Seq. No.	3691	Seq. ID	OJ990402_21.9819.C52
Gene No.	7860	Strand	-
Start	1	End	1243
Name	OJ990402_21.9819.C52.o1.gs	Method	GENSCAN
Start	268	End	1098
GI	none	Score	.48
Exons	268..726, 781..1098		

Seq. No.	3691	Seq. ID	OJ990402_21.9819.C52
Gene No.	7860	Strand	-
Start	1	End	1243
Name	OJ990402_21.9819.C52.o2.tw	Method	TBLASTX:Wheat
Start	733	End	1119
GI	none	Score	182
Exons	733..1119, 776..1105		

Seq. No.	3692	Seq. ID	OJ990402_21.9819.C53
Gene No.	7861	Strand	-
Start	1410	End	1628
Name	OJ990402_21.9819.C53.o1.gs	Method	GENSCAN
Start	1410	End	1628
GI	none	Score	.66
Exons	1410..1628		

Seq. No.	3693	Seq. ID	OJ990402_21.9819.C55
Gene No.	7862	Strand	+
Start	1468	End	1640
Name	OJ990402_21.9819.C55.o2.gs	Method	GENSCAN
Start	1468	End	1640
GI	none	Score	.91
Exons	1468..1640		

Seq. No.	3693	Seq. ID	OJ990402_21.9819.C55
Gene No.	7863	Strand	-
Start	1	End	2030
Name	OJ990402_21.9819.C55.o1.np	Method	AAT/NAP
Start	1	End	2030
GI	5091513	Score	1238
Exons	1..844, 1155..1256, 1494..2030		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3693	Seq. ID	OJ990402_21.9819.C55
Gene No.	7863	Strand	-
Start	1	End	2030
Name	OJ990402_21.9819.C55.o1.gs	Method	GENSCAN
Start	224	End	664
GI	none	Score	.95
Exons	224..664		

Seq. No.	3694	Seq. ID	OJ990402_21.9819.C56
Gene No.	7864	Strand	-

Start	1	End	875
Name	OJ990402_21.9819.C56.o1.np	Method	AAT/NAP
Start	1	End	875
GI	5091513	Score	1347
Exons	1..875		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3694	Seq. ID	OJ990402_21.9819.C56
Gene No.	7864	Strand	-
Start	1	End	875
Name	OJ990402_21.9819.C56.o1.gs	Method	GENSCAN
Start	87	End	863
GI	none	Score	.69
Exons	87..863		

Seq. No.	3695	Seq. ID	OJ990402_21.9819.C57
Gene No.	7865	Strand	-
Start	1	End	732
Name	OJ990402_21.9819.C57.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6498441	Score	872
Exons	1..108, 202..732		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3695	Seq. ID	OJ990402_21.9819.C57
Gene No.	7865	Strand	-
Start	1	End	732
Name	OJ990402_21.9819.C57.o2.tw	Method	TBLASTX:Wheat
Start	94	End	298
GI	none	Score	113
Exons	94..297, 128..298, 155..298		

Seq. No.	3695	Seq. ID	OJ990402_21.9819.C57
Gene No.	7865	Strand	-
Start	1	End	732
Name	OJ990402_21.9819.C57.o1.gs	Method	GENSCAN
Start	176	End	640
GI	none	Score	.96
Exons	176..640		

Seq. No.	3695	Seq. ID	OJ990402_21.9819.C57
Gene No.	7865	Strand	-
Start	1	End	732
Name	OJ990402_21.9819.C57.o1.tw	Method	TBLASTX:Wheat
Start	334	End	724
GI	none	Score	109
Exons	334..723, 337..693, 641..724, 656..724		

Seq. No.	3695	Seq. ID	OJ990402_21.9819.C57
Gene No.	7865	Strand	-
Start	1	End	732
Name	OJ990402_21.9819.C57.o1.tm	Method	TBLASTX:Maize
Start	421	End	720
GI	none	Score	47
Exons	421..534, 467..514, 532..720, 557..703		

Seq. No.	3696	Seq. ID	OJ990402_21.9819.C58
Gene No.	7866	Strand	-
Start	50	End	262
Name	OJ990402_21.9819.C58.o1.gp	Method	AAT/GAP
Start	50	End	262
GI	3761181	Score	374
Exons	50..262		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	3697	Seq. ID	OJ990402_21.9819.C59
Gene No.	7867	Strand	-
Start	958	End	1161
Name	OJ990402_21.9819.C59.o1.gs	Method	GENSCAN
Start	958	End	1161
GI	none	Score	.89
Exons	958..1161		

Seq. No.	3698	Seq. ID	OJ990402_21.9819.C61
Gene No.	7868	Strand	-
Start	1	End	754
Name	OJ990402_21.9819.C61.o1.np	Method	AAT/NAP
Start	1	End	754
GI	5091513	Score	1150
Exons	1..754		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	3698	Seq. ID	OJ990402_21.9819.C61
Gene No.	7868	Strand	-
Start	1	End	754
Name	OJ990402_21.9819.C61.o1.gs	Method	GENSCAN
Start	106	End	739
GI	none	Score	.54
Exons	106..739		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63
Gene No.	7869	Strand	+
Start	1787	End	1848
Name	OJ990402_21.9819.C63.o2.gp	Method	AAT/GAP
Start	1787	End	1848
GI	5816518	Score	80
Exons	1787..1848		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63
Gene No.	7870	Strand	-
Start	1	End	1912
Name	OJ990402_21.9819.C63.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	5733885	Score	259
Exons	1..24, 938..1430, 1542..1654, 1834..1912		
GI Descrip.	(AC007932) ESTs gb|H37217 and gb|T22141 come from this gene. [Arabidopsis thaliana]		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63

Gene No.	7870	Strand	-
Start	1	End	1912
Name	OJ990402_21.9819.C63.o1.gs	Method	GENSCAN
Start	213	End	1065
GI	none	Score	.84
Exons	213..244, 944..1065		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63
Gene No.	7870	Strand	-
Start	1	End	1912
Name	OJ990402_21.9819.C63.o2.tm	Method	TBLASTX:Maize
Start	766	End	1122
GI	none	Score	72
Exons	766..822, 770..823, 930..992, 987..1121, 988..1122		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63
Gene No.	7870	Strand	-
Start	1	End	1912
Name	OJ990402_21.9819.C63.o1.tm	Method	TBLASTX:Maize
Start	1151	End	1669
GI	none	Score	68
Exons	1151..1222, 1171..1221, 1214..1372, 1214..1378, 1216..1377, 1379..1453, 1380..1463, 1380..1451, 1519..1653, 1532..1645, 1533..1655, 1541..1669, 1542..1652		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63
Gene No.	7870	Strand	-
Start	1	End	1912
Name	OJ990402_21.9819.C63.o1.ts	Method	TBLASTX:Soybean
Start	1177	End	1657
GI	none	Score	141
Exons	1177..1233, 1216..1314, 1223..1372, 1237..1377, 1379..1453, 1385..1453, 1519..1653, 1541..1657		

Seq. No.	3699	Seq. ID	OJ990402_21.9819.C63
Gene No.	7870	Strand	-
Start	1	End	1912
Name	OJ990402_21.9819.C63.o1.gp	Method	AAT/GAP
Start	1183	End	1303
GI	2797635	Score	190
Exons	1183..1303		

Seq. No.	3700	Seq. ID	OJ990402_21.9819.C64
Gene No.	7871	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C64.o1.np	Method	AAT/NAP
Start	1	End	741
GI	6498441	Score	438
Exons	1..284, 339..741		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3700	Seq. ID	OJ990402_21.9819.C64
Gene No.	7871	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C64.o1.gs	Method	GENSCAN

Start	102	End	734
GI	none	Score	.55
Exons	102..388, 476..734		

Seq. No.	3700	Seq. ID	OJ990402_21.9819.C64
Gene No.	7871	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C64.o1.tm	Method	TBLASTX:Maize
Start	380	End	741
GI	none	Score	69
Exons	380..487, 500..733, 508..741		

Seq. No.	3700	Seq. ID	OJ990402_21.9819.C64
Gene No.	7871	Strand	+
Start	1	End	741
Name	OJ990402_21.9819.C64.o1.tw	Method	TBLASTX:Wheat
Start	395	End	741
GI	none	Score	359
Exons	395..733, 418..741		

Seq. No.	3701	Seq. ID	OJ990402_21.9819.C65
Gene No.	7872	Strand	+
Start	491	End	704
Name	OJ990402_21.9819.C65.o1.gs	Method	GENSCAN
Start	491	End	704
GI	none	Score	.72
Exons	491..704		

Seq. No.	3702	Seq. ID	OJ990402_21.9819.C66
Gene No.	7873	Strand	-
Start	161	End	537
Name	OJ990402_21.9819.C66.o1.gs	Method	GENSCAN
Start	161	End	537
GI	none	Score	.94
Exons	161..277, 523..537		

Seq. No.	3703	Seq. ID	OJ990402_21.9819.C67
Gene No.	7874	Strand	-
Start	257	End	1809
Name	OJ990402_21.9819.C67.o1.gs	Method	GENSCAN
Start	257	End	1809
GI	none	Score	.84
Exons	257..874, 1592..1628, 1647..1809		

Seq. No.	3704	Seq. ID	OJ990402_21.9819.C68
Gene No.	7875	Strand	-
Start	499	End	899
Name	OJ990402_21.9819.C68.o1.gp	Method	AAT/GAP
Start	499	End	899
GI	5816562	Score	599
Exons	499..899		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	3705	Seq. ID	OJ990402_21.9819.C69
Gene No.	7876	Strand	+
Start	1	End	1411

Name	OJ990402_21.9819.C69.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	5902444	Score	2035
Exons	1..1408		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3705	Seq. ID	OJ990402_21.9819.C69
Gene No.	7876	Strand	+
Start	1	End	1411
Name	OJ990402_21.9819.C69.o1.gs	Method	GENSCAN
Start	56	End	1411
GI	none	Score	.98
Exons	56..1411		

Seq. No.	3705	Seq. ID	OJ990402_21.9819.C69
Gene No.	7877	Strand	+
Start	1475	End	1659
Name	OJ990402_21.9819.C69.o1.tw	Method	TBLASTX:Wheat
Start	755	End	1540
GI	none	Score	105
Exons	755..919, 964..1200, 968..1198, 1215..1271, 1304..1540, 1375..1536		

Seq. No.	3705	Seq. ID	OJ990402_21.9819.C69
Gene No.	7877	Strand	+
Start	1475	End	1659
Name	OJ990402_21.9819.C69.o1.tm	Method	TBLASTX:Maize
Start	1051	End	1228
GI	none	Score	184
Exons	1051..1197, 1052..1228, 1052..1228		

Seq. No.	3705	Seq. ID	OJ990402_21.9819.C69
Gene No.	7877	Strand	+
Start	1475	End	1659
Name	OJ990402_21.9819.C69.o2.np	Method	AAT/NAP
Start	1475	End	1659
GI	5902445	Score	294
Exons	1475..1659		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o1.np	Method	AAT/NAP
Start	1	End	1788
GI	5902445	Score	2779
Exons	1..1788		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o1.tw	Method	TBLASTX:Wheat
Start	4	End	423
GI	none	Score	448
Exons	4..423, 9..422		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o1.gs	Method	GENSCAN
Start	133	End	1714
GI	none	Score	.62
Exons	133..1714		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o1.ts	Method	TBLASTX:Soybean
Start	298	End	699
GI	none	Score	299
Exons	298..699, 310..444, 315..458, 495..665		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o1.tm	Method	TBLASTX:Maize
Start	366	End	810
GI	none	Score	270
Exons	366..620, 367..621, 367..624, 643..786, 784..810		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o2.tw	Method	TBLASTX:Wheat
Start	462	End	897
GI	none	Score	85
Exons	462..878, 468..677, 469..897		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o2.ts	Method	TBLASTX:Soybean
Start	933	End	1313
GI	none	Score	80
Exons	933..1019, 934..1029, 1065..1145, 1069..1311, 1197..1313		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o3.tw	Method	TBLASTX:Wheat
Start	934	End	1356
GI	none	Score	394
Exons	934..1356, 939..1280		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70
Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o2.tm	Method	TBLASTX:Maize
Start	988	End	1260
GI	none	Score	128
Exons	988..1158, 1162..1260		

Seq. No.	3706	Seq. ID	OJ990402_21.9819.C70

Gene No.	7878	Strand	+
Start	1	End	1788
Name	OJ990402_21.9819.C70.o4.tw	Method	TBLASTX:Wheat
Start	1372	End	1713
GI	none	Score	135
Exons	1372..1506, 1382..1519, 1560..1691, 1573..1713		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7879	Strand	+
Start	1	End	782
Name	OJ990402_21.9819.C71.o1.np	Method	AAT/NAP
Start	1	End	779
GI	5902445	Score	1148
Exons	1..779		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7879	Strand	+
Start	1	End	782
Name	OJ990402_21.9819.C71.o1.gs	Method	GENSCAN
Start	405	End	782
GI	none	Score	.84
Exons	405..782		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7880	Strand	+
Start	5524	End	6078
Name	OJ990402_21.9819.C71.o3.np	Method	AAT/NAP
Start	5524	End	6078
GI	5902444	Score	576
Exons	5524..6078		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7881	Strand	-
Start	1112	End	4019
Name	OJ990402_21.9819.C71.o2.gs	Method	GENSCAN
Start	1112	End	4019
GI	none	Score	.85
Exons	1112..1563, 1637..1750, 1864..1987, 2056..2255, 2321..2679, 2756..3048, 3135..3328, 3614..4019		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7881	Strand	-
Start	1112	End	4019
Name	OJ990402_21.9819.C71.o2.np	Method	AAT/NAP
Start	1124	End	4019
GI	6691716	Score	2438
Exons	1124..1563, 1637..1750, 1900..2001, 2056..2243, 2321..2500, 2579..2679, 2756..2933, 3131..4019		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7882	Strand	-
Start	5061	End	5823

Name	OJ990402_21.9819.C71.o2.tm	Method	TBLASTX:Maize
Start	113	End	386
GI	none	Score	96
Exons	113..211, 114..212, 203..277,	207..290,	300..386

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7882	Strand	-
Start	5061	End	5823
Name	OJ990402_21.9819.C71.o1.tw	Method	TBLASTX:Wheat
Start	155	End	770
GI	none	Score	367
Exons	155..265, 156..647, 306..335,	317..445,	639..770

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7882	Strand	-
Start	5061	End	5823
Name	OJ990402_21.9819.C71.o1.tm	Method	TBLASTX:Maize
Start	468	End	731
GI	none	Score	164
Exons	468..650, 590..649, 629..703,	630..731	

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7882	Strand	-
Start	5061	End	5823
Name	OJ990402_21.9819.C71.o2.tw	Method	TBLASTX:Wheat
Start	3609	End	3899
GI	none	Score	208
Exons	3609..3899		

Seq. No.	3707	Seq. ID	OJ990402_21.9819.C71
Gene No.	7882	Strand	-
Start	5061	End	5823
Name	OJ990402_21.9819.C71.o1.gp	Method	AAT/GAP
Start	5061	End	5823
GI	5816562	Score	630
Exons	5061..5477, 5799..5823		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	3708	Seq. ID	OJ990402_21.9819.C76
Gene No.	7883	Strand	+
Start	1436	End	1816
Name	OJ990402_21.9819.C76.o1.gs	Method	GENSCAN
Start	1436	End	1816
GI	none	Score	.87
Exons	1436..1816		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o1.np	Method	AAT/NAP
Start	1	End	4004
GI	6714305	Score	475
Exons	1..60, 2347..2424, 2612..2786, 2920..3078, 3386..3587, 3880..4004		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o2.gs	Method	GENSCAN
Start	2300	End	4141
GI	none	Score	.86
Exons	2300..2471, 2620..2780, 2914..3061, 3387..3587, 3886..4001, 4048..4068, 4127..4141		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o2.tc	Method	TBLASTX:Cress
Start	2727	End	3057
GI	none	Score	69
Exons	2727..2783, 2897..3028, 2910..3050, 2913..3038, 2914..3057		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o1.ts	Method	TBLASTX:Soybean
Start	2742	End	3588
GI	none	Score	64
Exons	2742..2783, 2913..3032, 2914..3030, 3386..3586, 3409..3588		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o1.tm	Method	TBLASTX:Maize
Start	2913	End	3583
GI	none	Score	161
Exons	2913..3029, 2920..3039, 2941..3039, 3386..3583, 3391..3555		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o1.tw	Method	TBLASTX:Wheat
Start	2914	End	3583
GI	none	Score	178
Exons	2914..3027, 2916..3026, 3389..3583, 3397..3525		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o1.tc	Method	TBLASTX:Cress
Start	3389	End	3588
GI	none	Score	235
Exons	3389..3586, 3397..3588		

Seq. No.	3709	Seq. ID	OJ990402_21.9819.C77
Gene No.	7884	Strand	+
Start	1	End	4383
Name	OJ990402_21.9819.C77.o1.gp	Method	AAT/GAP
Start	3916	End	4383
GI	1631448	Score	529
Exons	3916..4001, 4127..4383		

Seq. No.	3710	Seq. ID	OJ990402_21.9819.C78
Gene No.	7885	Strand	+
Start	333	End	556
Name	OJ990402_21.9819.C78.o1.gs	Method	GENSCAN
Start	333	End	556
GI	none	Score	.87
Exons	333..556		

Seq. No.	3710	Seq. ID	OJ990402_21.9819.C78
Gene No.	7886	Strand	+
Start	953	End	1053
Name	OJ990402_21.9819.C78.o1.gp	Method	AAT/GAP
Start	953	End	1053
GI	2338_1.R1084	Score	109
Exons	953..1053		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	3710	Seq. ID	OJ990402_21.9819.C78
Gene No.	7887	Strand	+
Start	2187	End	2445
Name	OJ990402_21.9819.C78.o2.gs	Method	GENSCAN
Start	2187	End	2445
GI	none	Score	.53
Exons	2187..2445		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o1.np	Method	AAT/NAP
Start	1	End	1293
GI	5295971	Score	1519
Exons	1..1293		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o1.gs	Method	GENSCAN
Start	85	End	1278
GI	none	Score	.97
Exons	85..1278		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o2.tw	Method	TBLASTX:Wheat
Start	90	End	549
GI	none	Score	217
Exons	90..266, 106..324, 382..462, 469..549		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o2.tm	Method	TBLASTX:Maize

Start	127	End	543
GI	none	Score	111
Exons	127..264, 132..263, 253..324, 382..462, 397..543, 435..536		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o2.ts	Method	TBLASTX:Soybean
Start	487	End	807
GI	none	Score	218
Exons	487..807, 583..663		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o1.tw	Method	TBLASTX:Wheat
Start	622	End	1173
GI	none	Score	314
Exons	622..1083, 792..986, 1089..1160, 1093..1173		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o1.tm	Method	TBLASTX:Maize
Start	841	End	1251
GI	none	Score	580
Exons	841..1251, 843..1247		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o1.ts	Method	TBLASTX:Soybean
Start	856	End	1293
GI	none	Score	332
Exons	856..1167, 861..1151, 1189..1293		

Seq. No.	3711	Seq. ID	OJ990402_21.9819.C79
Gene No.	7888	Strand	+
Start	1	End	1293
Name	OJ990402_21.9819.C79.o1.tc	Method	TBLASTX:Cress
Start	868	End	1293
GI	none	Score	211
Exons	868..1164, 895..1104, 1189..1293		

Seq. No.	3712	Seq. ID	OJ990402_21.9819.C80
Gene No.	7889	Strand	-
Start	1	End	1727
Name	OJ990402_21.9819.C80.o1.np	Method	AAT/NAP
Start	1	End	1727
GI	5733885	Score	269
Exons	1..55, 501..541, 652..915, 981..1242, 1307..1727		
GI Descrip.	(AC007932) ESTs gb|H37217 and gb|T22141 come from this gene. [Arabidopsis thaliana]		

Seq. No.	3712	Seq. ID	OJ990402_21.9819.C80
Gene No.	7889	Strand	-
Start	1	End	1727

Name	OJ990402_21.9819.C80.o1.gs	Method	GENSCAN
Start	396	End	1183
GI	none	Score	.76
Exons	396..541, 652..773, 1089..1183		

Seq. No.	3712	Seq. ID	OJ990402_21.9819.C80
Gene No.	7889	Strand	-
Start	1	End	1727
Name	OJ990402_21.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	985	End	1425
GI	none	Score	47
Exons	985..1053, 985..1005, 997..1038, 1034..1237, 1035..1247, 1053..1235, 1285..1419, 1306..1425		

Seq. No.	3712	Seq. ID	OJ990402_21.9819.C80
Gene No.	7889	Strand	-
Start	1	End	1727
Name	OJ990402_21.9819.C80.o1.ts	Method	TBLASTX:Soybean
Start	1028	End	1425
GI	none	Score	140
Exons	1028..1237, 1029..1247, 1284..1418, 1306..1425		

Seq. No.	3713	Seq. ID	OJ990402_21.9819.C81
Gene No.	7890	Strand	+
Start	504	End	641
Name	OJ990402_21.9819.C81.o1.gs	Method	GENSCAN
Start	504	End	641
GI	none	Score	.4
Exons	504..641		

Seq. No.	3713	Seq. ID	OJ990402_21.9819.C81
Gene No.	7891	Strand	-
Start	248	End	884
Name	OJ990402_21.9819.C81.o1.np	Method	AAT/NAP
Start	248	End	884
GI	2342690	Score	102
Exons	248..406, 485..555, 669..710, 797..884		
GI Descrip.	(AC000106) Similar to Homo copine I (gb|U83246). [Arabidopsis thaliana]		

Seq. No.	3713	Seq. ID	OJ990402_21.9819.C81
Gene No.	7891	Strand	-
Start	248	End	884
Name	OJ990402_21.9819.C81.o1.tw	Method	TBLASTX:Wheat
Start	254	End	708
GI	none	Score	51
Exons	254..295, 255..293, 255..299, 256..294, 299..382, 303..383, 314..412, 336..383, 489..536, 490..540, 491..541, 512..541, 539..586, 540..557, 666..707, 667..708, 670..708		

Seq. No.	3714	Seq. ID	OJ990402_21.9819.C82
Gene No.	7892	Strand	-
Start	461	End	745
Name	OJ990402_21.9819.C82.o1.gs	Method	GENSCAN
Start	461	End	745
GI	none	Score	.88
Exons	461..480, 592..745		

Seq. No.	3715	Seq. ID	OJ990402_21.9819.C83
Gene No.	7893	Strand	-
Start	561	End	767
Name	OJ990402_21.9819.C83.o1.np	Method	AAT/NAP
Start	561	End	767
GI	4581164	Score	208
Exons	561..767		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3716	Seq. ID	OJ990402_21.9819.C84
Gene No.	7894	Strand	+
Start	117	End	755
Name	OJ990402_21.9819.C84.o1.gs	Method	GENSCAN
Start	117	End	659
GI	none	Score	.72
Exons	117..218, 248..659		

Seq. No.	3716	Seq. ID	OJ990402_21.9819.C84
Gene No.	7894	Strand	+
Start	117	End	755
Name	OJ990402_21.9819.C84.o1.np	Method	AAT/NAP
Start	293	End	755
GI	6721562	Score	572
Exons	293..755		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o1.np	Method	AAT/NAP
Start	1	End	2481
GI	6498441	Score	2462
Exons	1..503, 567..943, 1127..1261, 1436..1862, 2056..2481		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o3.tw	Method	TBLASTX:Wheat
Start	3	End	380
GI	none	Score	350
Exons	3..380, 119..379		

Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o1.gs	Method	GENSCAN
Start	90	End	2338
GI	none	Score	.55

Exons	90..120, 151..359, 384..557, 567..881, 919..943, 967..1923, 1985..2338		
Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o1.tw	Method	TBLASTX:Wheat
Start	575	End	1040
GI	none	Score	137
Exons	575..700, 576..701, 705..1040, 716..1033		
Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o1.tm	Method	TBLASTX:Maize
Start	708	End	1064
GI	none	Score	378
Exons	708..1064, 743..1054, 759..1064		
Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o2.tm	Method	TBLASTX:Maize
Start	1091	End	1475
GI	none	Score	355
Exons	1091..1456, 1092..1475		
Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o2.tw	Method	TBLASTX:Wheat
Start	1148	End	1568
GI	none	Score	491
Exons	1148..1561, 1149..1568		
Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o1.ts	Method	TBLASTX:Soybean
Start	1227	End	1598
GI	none	Score	276
Exons	1227..1598, 1244..1387		
Seq. No.	3717	Seq. ID	OJ990402_21.9819.C85
Gene No.	7895	Strand	+
Start	1	End	2481
Name	OJ990402_21.9819.C85.o4.tw	Method	TBLASTX:Wheat
Start	2124	End	2388
GI	none	Score	259
Exons	2124..2387, 2125..2388		
Seq. No.	3718	Seq. ID	OJ990402_21.9819.C86
Gene No.	7896	Strand	+
Start	1	End	904
Name	OJ990402_21.9819.C86.o1.np	Method	AAT/NAP
Start	1	End	904
GI	5902445	Score	818

Exons	1..904		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	3718	Seq. ID	OJ990402_21.9819.C86
Gene No.	7896	Strand	+
Start	1	End	904
Name	OJ990402_21.9819.C86.o1.gs	Method	GENSCAN
Start	110	End	780
GI	none	Score	.71
Exons	110..432, 483..780		
Seq. No.	3718	Seq. ID	OJ990402_21.9819.C86
Gene No.	7896	Strand	+
Start	1	End	904
Name	OJ990402_21.9819.C86.o1.tm	Method	TBLASTX:Maize
Start	140	End	522
GI	none	Score	247
Exons	140..430, 174..338, 307..417, 409..522		
Seq. No.	3718	Seq. ID	OJ990402_21.9819.C86
Gene No.	7896	Strand	+
Start	1	End	904
Name	OJ990402_21.9819.C86.o1.tw	Method	TBLASTX:Wheat
Start	197	End	620
GI	none	Score	268
Exons	197..421, 201..353, 296..391, 303..449, 307..417, 424..618, 424..585, 426..620		
Seq. No.	3718	Seq. ID	OJ990402_21.9819.C86
Gene No.	7896	Strand	+
Start	1	End	904
Name	OJ990402_21.9819.C86.o1.ts	Method	TBLASTX:Soybean
Start	251	End	675
GI	none	Score	182
Exons	251..439, 310..429, 427..675		
Seq. No.	3718	Seq. ID	OJ990402_21.9819.C86
Gene No.	7896	Strand	+
Start	1	End	904
Name	OJ990402_21.9819.C86.o2.tw	Method	TBLASTX:Wheat
Start	625	End	843
GI	none	Score	58
Exons	625..693, 697..843, 705..842		
Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7897	Strand	+
Start	473	End	604
Name	OJ990402_21.9819.C88.o1.gs	Method	GENSCAN
Start	473	End	604
GI	none	Score	.99
Exons	473..604		
Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o1.np	Method	AAT/NAP
Start	1	End	1538

GI	6630696	Score	2359
Exons	1..1538		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o1.tw	Method	TBLASTX:Wheat
Start	91	End	444
GI	none	Score	78
Exons	91..177, 92..178, 92..178, 174..221, 178..222, 193..444, 197..436, 207..443		

Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o2.tm	Method	TBLASTX:Maize
Start	174	End	551
GI	none	Score	70
Exons	174..551, 175..312		

Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o1.ts	Method	TBLASTX:Soybean
Start	219	End	468
GI	none	Score	106
Exons	219..272, 291..467, 294..458, 349..468		

Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o1.tm	Method	TBLASTX:Maize
Start	639	End	1046
GI	none	Score	48
Exons	639..722, 666..731, 705..1046, 733..1023		

Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o2.gs	Method	GENSCAN
Start	874	End	1358
GI	none	Score	.84
Exons	874..1022, 1133..1358		

Seq. No.	3719	Seq. ID	OJ990402_21.9819.C88
Gene No.	7898	Strand	-
Start	1	End	1538
Name	OJ990402_21.9819.C88.o1.gp	Method	AAT/GAP
Start	948	End	1538
GI	101595_1.R1084	Score	807
Exons	948..1022, 1138..1538		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	3720	Seq. ID	OJ990402_21.9819.C89
Gene No.	7899	Strand	-
Start	1	End	749
Name	OJ990402_21.9819.C89.o1.np	Method	AAT/NAP
Start	1	End	749
GI	6539570	Score	81
Exons	1..24, 341..385, 548..749		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	3720	Seq. ID	OJ990402_21.9819.C89
Gene No.	7900	Strand	-
Start	879	End	1096
Name	OJ990402_21.9819.C89.o2.np	Method	AAT/NAP
Start	879	End	1096
GI	6630699	Score	76
Exons	879..952, 1056..1096		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3721	Seq. ID	OJ990402_21.9819.C90
Gene No.	7901	Strand	+
Start	89	End	159
Name	OJ990402_21.9819.C90.o1.gs	Method	GENSCAN
Start	89	End	159
GI	none	Score	.49
Exons	89..159		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7902	Strand	+
Start	2708	End	2998
Name	OJ990402_21.9819.C91.o2.gs	Method	GENSCAN
Start	2708	End	2998
GI	none	Score	.71
Exons	2708..2772, 2887..2926, 2966..2998		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o1.gp	Method	AAT/GAP
Start	1	End	440
GI	5002953	Score	242
Exons	1..43, 304..440		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o2.tw	Method	TBLASTX:Wheat
Start	22	End	425
GI	none	Score	122
Exons	22..108, 111..425, 112..381		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405

Name	OJ990402_21.9819.C91.o1.np	Method	AAT/NAP
Start	73	End	2327
GI	100484	Score	1537
Exons	73..770, 831..2126, 2159..2327		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o1.gs	Method	GENSCAN
Start	96	End	2405
GI	none	Score	.78
Exons	96..2405		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o2.tm	Method	TBLASTX:Maize
Start	100	End	384
GI	none	Score	130
Exons	100..384, 111..383		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o4.tw	Method	TBLASTX:Wheat
Start	429	End	762
GI	none	Score	66
Exons	429..512, 430..513, 549..752, 550..750, 646..762		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o3.tm	Method	TBLASTX:Maize
Start	558	End	746
GI	none	Score	93
Exons	558..620, 627..746, 637..744		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o2.ts	Method	TBLASTX:Soybean
Start	918	End	1152
GI	none	Score	85
Exons	918..1151, 997..1152		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o1.tm	Method	TBLASTX:Maize
Start	987	End	1430
GI	none	Score	78
Exons	987..1181, 1185..1430, 1189..1380		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405

Name	OJ990402_21.9819.C91.o1.tw	Method	TBLASTX:Wheat
Start	1026	End	1487
GI	none	Score	90
Exons	1026..1181, 1054..1209, 1150..1320, 1212..1328, 1227..1337, 1329..1433, 1336..1422, 1434..1487, 1444..1479		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o1.tc	Method	TBLASTX:Cress
Start	1275	End	1605
GI	none	Score	59
Exons	1275..1604, 1276..1350, 1372..1431, 1468..1605		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o3.ts	Method	TBLASTX:Soybean
Start	1353	End	1602
GI	none	Score	105
Exons	1353..1601, 1357..1602		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o3.tw	Method	TBLASTX:Wheat
Start	1500	End	2051
GI	none	Score	64
Exons	1500..1604, 1510..1605, 1651..1812, 1653..2051, 1930..1953		

Seq. No.	3722	Seq. ID	OJ990402_21.9819.C91
Gene No.	7903	Strand	-
Start	1	End	2405
Name	OJ990402_21.9819.C91.o1.ts	Method	TBLASTX:Soybean
Start	1635	End	1953
GI	none	Score	90
Exons	1635..1895, 1648..1872, 1653..1928, 1660..1926, 1930..1953		

Seq. No.	3723	Seq. ID	OJ990402_21.9819.C93
Gene No.	7904	Strand	+
Start	385	End	2106
Name	OJ990402_21.9819.C93.o1.gs	Method	GENSCAN
Start	385	End	2106
GI	none	Score	.6
Exons	385..529, 1359..1566, 1720..1840, 1987..2106		

Seq. No.	3724	Seq. ID	OJ990402_21.9819.C94
Gene No.	7905	Strand	+
Start	1	End	1658
Name	OJ990402_21.9819.C94.o1.np	Method	AAT/NAP
Start	1	End	1658
GI	6721562	Score	450
Exons	1..123, 816..868, 1130..1658		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza		

sativa]

Seq. No.	3724	Seq. ID	OJ990402_21.9819.C94
Gene No.	7905	Strand	+
Start	1	End	1658
Name	OJ990402_21.9819.C94.o1.tw	Method	TBLASTX:Wheat
Start	1221	End	1616
GI	none	Score	59
Exons	1221..1271, 1272..1385, 1283..1333, 1359..1616, 1371..1580, 1391..1615		

Seq. No.	3724	Seq. ID	OJ990402_21.9819.C94
Gene No.	7905	Strand	+
Start	1	End	1658
Name	OJ990402_21.9819.C94.o1.tm	Method	TBLASTX:Maize
Start	1266	End	1505
GI	none	Score	197
Exons	1266..1505		

Seq. No.	3725	Seq. ID	OJ990402_21.9819.C95
Gene No.	7906	Strand	+
Start	1	End	926
Name	OJ990402_21.9819.C95.o1.np	Method	AAT/NAP
Start	1	End	794
GI	5902444	Score	622
Exons	1..794		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3725	Seq. ID	OJ990402_21.9819.C95
Gene No.	7906	Strand	+
Start	1	End	926
Name	OJ990402_21.9819.C95.o1.gs	Method	GENSCAN
Start	132	End	797
GI	none	Score	.9
Exons	132..797		

Seq. No.	3725	Seq. ID	OJ990402_21.9819.C95
Gene No.	7906	Strand	+
Start	1	End	926
Name	OJ990402_21.9819.C95.o1.tw	Method	TBLASTX:Wheat
Start	159	End	926
GI	none	Score	143
Exons	159..341, 167..268, 378..614, 380..496, 390..599, 539..604, 672..926, 794..925		

Seq. No.	3726	Seq. ID	OJ990402_21.9819.C96
Gene No.	7907	Strand	+
Start	1	End	2018
Name	OJ990402_21.9819.C96.o1.np	Method	AAT/NAP
Start	1	End	2015
GI	5902445	Score	1545
Exons	1..757, 797..2015		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3726	Seq. ID	OJ990402_21.9819.C96
Gene No.	7907	Strand	+
Start	1	End	2018

Name	OJ990402_21.9819.C96.o3.tw	Method	TBLASTX:Wheat
Start	127	End	540
GI	none	Score	111
Exons	127..228, 132..236, 271..540		

Seq. No.	3726	Seq. ID	OJ990402_21.9819.C96
Gene No.	7907	Strand	+
Start	1	End	2018
Name	OJ990402_21.9819.C96.o1.gs	Method	GENSCAN
Start	229	End	2018
GI	none	Score	.67
Exons	229..401, 423..708, 797..937, 1232..1670, 1672..1688, 1703..1856, 1936..2018		

Seq. No.	3726	Seq. ID	OJ990402_21.9819.C96
Gene No.	7907	Strand	+
Start	1	End	2018
Name	OJ990402_21.9819.C96.o2.tw	Method	TBLASTX:Wheat
Start	286	End	1396
GI	none	Score	335
Exons	286..333, 1042..1098, 1043..1396, 1144..1386		

Seq. No.	3726	Seq. ID	OJ990402_21.9819.C96
Gene No.	7907	Strand	+
Start	1	End	2018
Name	OJ990402_21.9819.C96.o1.tm	Method	TBLASTX:Maize
Start	911	End	1218
GI	none	Score	320
Exons	911..1216, 928..1218		

Seq. No.	3726	Seq. ID	OJ990402_21.9819.C96
Gene No.	7907	Strand	+
Start	1	End	2018
Name	OJ990402_21.9819.C96.o1.tw	Method	TBLASTX:Wheat
Start	1423	End	2006
GI	none	Score	345
Exons	1423..1521, 1430..1858, 1567..1674, 1875..2006, 1880..2005		

Seq. No.	3727	Seq. ID	OJ990402_21.9819.C97
Gene No.	7908	Strand	-
Start	147	End	2020
Name	OJ990402_21.9819.C97.o1.gs	Method	GENSCAN
Start	147	End	1921
GI	none	Score	.4
Exons	147..506, 573..664, 762..907, 1164..1426, 1505..1793, 1863..1921		

Seq. No.	3727	Seq. ID	OJ990402_21.9819.C97
Gene No.	7908	Strand	-
Start	147	End	2020
Name	OJ990402_21.9819.C97.o1.np	Method	AAT/NAP
Start	1032	End	2020
GI	6721561	Score	854
Exons	1032..1793, 1863..2020		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	3728	Seq. ID	OJ990402_21.9819.C98
Gene No.	7909	Strand	+
Start	465	End	539
Name	OJ990402_21.9819.C98.o1.gs	Method	GENSCAN
Start	465	End	539
GI	none	Score	.74
Exons	465..539		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o1.np	Method	AAT/NAP
Start	1	End	743
GI	6539558	Score	789
Exons	1..743		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o2.tm	Method	TBLASTX:Maize
Start	78	End	335
GI	none	Score	181
Exons	78..335		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o1.gs	Method	GENSCAN
Start	128	End	632
GI	none	Score	.81
Exons	128..632		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o1.ts	Method	TBLASTX:Soybean
Start	180	End	686
GI	5509260	Score	77
Exons	180..686, 289..363, 424..588		
GI Descrip.	-		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o1.tw	Method	TBLASTX:Wheat
Start	198	End	654
GI	none	Score	43
Exons	198..539, 206..250, 289..525, 573..644, 574..654		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o1.tc	Method	TBLASTX:Cress

Start	297	End	558
GI	none	Score	138
Exons	297..557, 316..558		

Seq. No.	3729	Seq. ID	OJ990402_21.9819.C99
Gene No.	7910	Strand	-
Start	1	End	743
Name	OJ990402_21.9819.C99.o1.tm	Method	TBLASTX:Maize
Start	336	End	654
GI	none	Score	239
Exons	336..653, 337..654		

Seq. No.	3730	Seq. ID	OJ990422_22.9819.C1
Gene No.	7911	Strand	-
Start	950	End	1070
Name	OJ990422_22.9819.C1.o1.gs	Method	GENSCAN
Start	950	End	1070
GI	none	Score	.68
Exons	950..1070		

Seq. No.	3731	Seq. ID	OJ990422_22.9819.C2
Gene No.	7912	Strand	-
Start	1	End	913
Name	OJ990422_22.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	913
GI	5042454	Score	75
Exons	1..45, 721..913		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	3732	Seq. ID	OJ990422_22.9819.C3
Gene No.	7913	Strand	+
Start	1501	End	2845
Name	OJ990422_22.9819.C3.o2.np	Method	AAT/NAP
Start	1501	End	2845
GI	6630699	Score	89
Exons	1501..1524, 2768..2845		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3732	Seq. ID	OJ990422_22.9819.C3
Gene No.	7914	Strand	-
Start	1271	End	2707
Name	OJ990422_22.9819.C3.o1.np	Method	AAT/NAP
Start	1271	End	2707
GI	5922620	Score	399
Exons	1271..1527, 1626..1696, 2445..2469, 2515..2628, 2669..2707		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3732	Seq. ID	OJ990422_22.9819.C3
Gene No.	7915	Strand	-
Start	2984	End	3116
Name	OJ990422_22.9819.C3.o3.np	Method	AAT/NAP

Start	2984	End	3116
GI	5922620	Score	138
Exons	2984..3116		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3733	Seq. ID	OJ990422_22.9819.C4
Gene No.	7916	Strand	+
Start	1	End	647
Name	OJ990422_22.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	647
GI	4539004	Score	102
Exons	1..33, 283..359, 434..647		
GI Descrip.	(AL049481) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7917	Strand	+
Start	7247	End	10319
Name	OJ990422_22.9819.C5.o2.gs	Method	GENSCAN
Start	7247	End	10319
GI	none	Score	.46
Exons	7247..7346, 7371..7880, 8047..8171, 8239..8430, 8501..8559, 8633..9264, 9787..10319		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7917	Strand	+
Start	7247	End	10319
Name	OJ990422_22.9819.C5.o2.np	Method	AAT/NAP
Start	7247	End	8833
GI	6721558	Score	280
Exons	7247..7346, 8047..8171, 8620..8833		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7918	Strand	+
Start	17758	End	17835
Name	OJ990422_22.9819.C5.o5.np	Method	AAT/NAP
Start	17758	End	17835
GI	6630699	Score	77
Exons	17758..17835		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7919	Strand	-
Start	402	End	6993
Name	OJ990422_22.9819.C5.o1.gs	Method	GENSCAN
Start	402	End	6993
GI	none	Score	.48
Exons	402..2956, 2964..4152, 4216..6650, 6846..6993		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7919	Strand	-
Start	402	End	6993
Name	OJ990422_22.9819.C5.o1.np	Method	AAT/NAP
Start	405	End	6074
GI	6498441	Score	7063
Exons	405..686, 780..2177, 2349..2792, 3007..3286, 3461..3595, 3779..4152, 4216..4679, 5010..6074		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7920	Strand	-
Start	10916	End	16034
Name	OJ990422_22.9819.C5.o3.gs	Method	GENSCAN
Start	10916	End	16034
GI	none	Score	.49
Exons	10916..11413, 11470..11757, 11857..12734, 12937..13232, 13283..13727, 13844..14917, 15092..16034		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7920	Strand	-
Start	10916	End	16034
Name	OJ990422_22.9819.C5.o3.np	Method	AAT/NAP
Start	10919	End	14013
GI	5902445	Score	2678
Exons	10919..12162, 12202..14013		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7920	Strand	-
Start	10916	End	16034
Name	OJ990422_22.9819.C5.o4.np	Method	AAT/NAP
Start	14016	End	15887
GI	6721562	Score	452
Exons	14016..14696, 14946..15377, 15764..15887		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7921	Strand	-
Start	16696	End	17679
Name	OJ990422_22.9819.C5.o4.gs	Method	GENSCAN
Start	16696	End	17679
GI	none	Score	.97
Exons	16696..16764, 17590..17679		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	402	End	11050
GI	none	Score	130

Exons	402..545, 406..546, 10917..11048, 10922..11050		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	414	End	11517
GI	none	Score	77
Exons	414..539, 418..540, 706..876, 732..1016, 733..1011, 10928..11059, 11084..11389, 11280..11387, 11431..11517, 11432..11503		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	732	End	11314
GI	none	Score	188
Exons	732..800, 11051..11314		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	1017	End	11911
GI	none	Score	231
Exons	1017..1397, 1048..1398, 11530..11910, 11567..11809, 11855..11911		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	1192	End	12042
GI	none	Score	218
Exons	1192..1341, 1212..1535, 1225..1506, 11737..12042, 11738..12028		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	1728	End	12505
GI	none	Score	68
Exons	1728..1988, 1864..2040, 12247..12504, 12368..12505		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	2043	End	12951
GI	none	Score	88
Exons	2043..2192, 2044..2181, 2226..2477, 2236..2412, 12544..12609, 12544..12717, 12608..12688, 12725..12895, 12727..12951		
Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o1.ts	Method	TBLASTX:Soybean

Start	3124	End	13443
GI	none	Score	83
Exons	3124..3525, 3335..3478, 13040..13291, 13285..13443		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	3154	End	13497
GI	none	Score	275
Exons	3154..3573, 3179..3574, 13095..13286, 13097..13285, 13274..13495, 13285..13497, 13286..13387		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	3247	End	13554
GI	none	Score	215
Exons	3247..3630, 3266..3631, 13193..13279, 13282..13554, 13292..13387, 13362..13520		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	3658	End	13866
GI	none	Score	73
Exons	3658..3774, 3658..4014, 3668..3979, 13582..13866, 13604..13852		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	3682	End	13855
GI	none	Score	374
Exons	3682..4143, 3683..4144, 3686..4144, 13612..13854, 13613..13855		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	3739	End	13797
GI	none	Score	121
Exons	3739..3873, 3880..4104, 13663..13797		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	4309	End	4795
GI	none	Score	168
Exons	4309..4794, 4340..4600, 4622..4795		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314

Name	OJ990422_22.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	5536	End	14609
GI	none	Score	99
Exons	5536..5790, 5567..5806, 5773..5871, 5774..5854, 5878..5922, 14211..14486, 14250..14402, 14260..14472, 14442..14558, 14455..14547, 14559..14609		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	5635	End	14564
GI	none	Score	111
Exons	5635..5883, 5636..5881, 14325..14564		

Seq. No.	3734	Seq. ID	OJ990422_22.9819.C5
Gene No.	7922	Strand	-
Start	17974	End	19314
Name	OJ990422_22.9819.C5.o6.np	Method	AAT/NAP
Start	17974	End	19314
GI	5922620	Score	144
Exons	17974..18106, 19283..19314		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7923	Strand	+
Start	103	End	2588
Name	OJ990422_22.9819.C6.o1.gs	Method	GENSCAN
Start	103	End	2588
GI	none	Score	.58
Exons	103..298, 2286..2482, 2488..2588		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7924	Strand	+
Start	4425	End	10057
Name	OJ990422_22.9819.C6.o2.gs	Method	GENSCAN
Start	4425	End	6139
GI	none	Score	.97
Exons	4425..5961, 5988..6139		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7924	Strand	+
Start	4425	End	10057
Name	OJ990422_22.9819.C6.o1.np	Method	AAT/NAP
Start	4446	End	10057
GI	4584539	Score	1322
Exons	4446..6127, 8697..9006, 9815..10057		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7924	Strand	+
Start	4425	End	10057
Name	OJ990422_22.9819.C6.o1.gp	Method	AAT/GAP

Start	4637	End	4969
GI	428629	Score	647
Exons	4637..4969		
GI Descrip.	5430752/gb|AAD43152.1|AC007504_7 7.0e-33 (AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7924	Strand	+
Start	4425	End	10057
Name	OJ990422_22.9819.C6.o2.gp	Method	AAT/GAP
Start	5368	End	5667
GI	63465_1.R1084	Score	494
Exons	5368..5667		
GI Descrip.	'4584539/emb|CAB40769.1| 2.0e-15 (AL049608) extensin-like protein [Arabidopsis thaliana]'		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	4598	End	5120
GI	none	Score	549
Exons	4598..4813, 4599..5120		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	4622	End	4838
GI	none	Score	240
Exons	4622..4813, 4623..4838		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	4623	End	4820
GI	none	Score	231
Exons	4623..4820, 4625..4819		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	4824	End	5568
GI	none	Score	107
Exons	4824..5048, 5093..5500, 5094..5510, 5469..5555, 5493..5555, 5509..5568		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	4863	End	5555
GI	none	Score	209
Exons	4863..5234, 5211..5435, 5369..5422, 5489..5554, 5490..5555		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	4944	End	5297
GI	none	Score	362
Exons	4944..5297, 5033..5296, 5190..5297		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	5121	End	5441
GI	none	Score	76
Exons	5121..5234, 5211..5441, 5243..5440		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o3.gp	Method	AAT/GAP
Start	9039	End	9363
GI	2569_2.R1084	Score	430
Exons	9039..9363		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o3.gs	Method	GENSCAN
Start	9333	End	10037
GI	none	Score	.74
Exons	9333..9895, 9907..10037		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	9496	End	9956
GI	none	Score	61
Exons	9496..9543, 9501..9542, 9702..9956, 9703..9894		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	9702	End	10001
GI	none	Score	185
Exons	9702..10001, 9703..9891		

Seq. No.	3735	Seq. ID	OJ990422_22.9819.C6
Gene No.	7925	Strand	-
Start	9333	End	10037
Name	OJ990422_22.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	9756	End	9959
GI	none	Score	192
Exons	9756..9959, 9757..9894		

Seq. No.	3736	Seq. ID	OJ990422_22.9819.C7
Gene No.	7926	Strand	-
Start	971	End	4399
Name	OJ990422_22.9819.C7.o1.gp	Method	AAT/GAP
Start	971	End	1953
GI	none	Score	1664
Exons	971..1531, 1609..1953		

Seq. No.	3736	Seq. ID	OJ990422_22.9819.C7
Gene No.	7926	Strand	-
Start	971	End	4399
Name	OJ990422_22.9819.C7.o1.gs	Method	GENSCAN
Start	1259	End	4399
GI	none	Score	.88
Exons	1259..1531, 1609..2253, 2525..2671, 4300..4399		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7927	Strand	+
Start	124	End	9669
Name	OJ990422_22.9819.C8.o1.gs	Method	GENSCAN
Start	124	End	9669
GI	none	Score	.46
Exons	124..215, 1142..1246, 2704..2817, 4162..4331, 5645..5757, 5860..6077, 6630..6992, 7274..7546, 7915..8045, 8503..8609, 9521..9669		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7927	Strand	+
Start	124	End	9669
Name	OJ990422_22.9819.C8.o1.np	Method	AAT/NAP
Start	5645	End	6156
GI	6730645	Score	230
Exons	5645..5757, 5824..6156		
GI Descrip.	(AC008262) F4N2.17 [Arabidopsis thaliana]		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7928	Strand	-
Start	6609	End	9165
Name	OJ990422_22.9819.C8.o2.np	Method	AAT/NAP
Start	6609	End	9165
GI	731632	Score	134
Exons	6609..6985, 7089..7284, 9144..9165		
GI Descrip.	HYPOTHETICAL 57.0 KD PROTEIN IN SOD2-RPL27A INTERGENIC REGION gi|626596|pir||S46784 hypothetical protein YHR009c - yeast (Saccharomyces cerevisiae) gi|500703 (U10400) Yhr009cp [Saccharomyces cerevisiae]		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	766	End	1117
GI	none	Score	200
Exons	766..957, 806..1117		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8

Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	1004	End	1294
GI	none	Score	178
Exons	1004..1210, 1039..1200, 1196..1294		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	5674	End	5940
GI	none	Score	107
Exons	5674..5745, 5674..5766, 5679..5765, 5838..5939, 5839..5940, 5856..5939		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	5844	End	6156
GI	none	Score	106
Exons	5844..5945, 5977..6024, 6033..6116, 6034..6156		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	6615	End	7291
GI	none	Score	268
Exons	6615..6989, 6618..6899, 6655..6990, 7085..7252, 7087..7251, 7090..7254, 7259..7291		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	6615	End	6920
GI	none	Score	277
Exons	6615..6920, 6621..6899, 6655..6918		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	6681	End	6941
GI	none	Score	43
Exons	6681..6731, 6688..6732, 6732..6872, 6754..6858, 6855..6941		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	6681	End	7119
GI	none	Score	96
Exons	6681..6848, 6684..6842, 6688..6858, 6864..6989, 6871..6990, 7087..7119		

Seq. No.	3737	Seq. ID	OJ990422_22.9819.C8
Gene No.	7929	Strand	-
Start	9337	End	10220
Name	OJ990422_22.9819.C8.o3.np	Method	AAT/NAP
Start	9337	End	10220
GI	6063554	Score	106
Exons	9337..9508, 10196..10220		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3738	Seq. ID	OJ990422_22.9819.C9
Gene No.	7930	Strand	+
Start	1	End	1343
Name	OJ990422_22.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	1343
GI	5852179	Score	215
Exons	1..216, 304..535, 1326..1343		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	3738	Seq. ID	OJ990422_22.9819.C9
Gene No.	7931	Strand	-
Start	99	End	633
Name	OJ990422_22.9819.C9.o1.gs	Method	GENSCAN
Start	99	End	633
GI	none	Score	.68
Exons	99..201, 255..458, 496..633		

Seq. No.	3739	Seq. ID	OJ990422_22.9819.C10
Gene No.	7932	Strand	-
Start	2053	End	3608
Name	OJ990422_22.9819.C10.o1.np	Method	AAT/NAP
Start	2053	End	3608
GI	6505722	Score	1631
Exons	2053..2397, 2484..2627, 2711..3608		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	3739	Seq. ID	OJ990422_22.9819.C10
Gene No.	7933	Strand	
Start	6292	End	6705
Name	OJ990422_22.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	6292	End	6705
GI	none	Score	101
Exons	6292..6372, 6349..6561, 6553..6705		

Seq. No.	3739	Seq. ID	OJ990422_22.9819.C10
Gene No.	7933	Strand	
Start	6292	End	6705
Name	OJ990422_22.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	6370	End	6705
GI	none	Score	80
Exons	6370..6588, 6398..6574, 6580..6705		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11

Gene No.	7934	Strand	+
Start	4356	End	4688
Name	OJ990422_22.9819.C11.o1.gs	Method	GENSCAN
Start	4356	End	4688
GI	none	Score	.88
Exons	4356..4688		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7935	Strand	+
Start	5293	End	6821
Name	OJ990422_22.9819.C11.o2.gs	Method	GENSCAN
Start	5293	End	6821
GI	none	Score	.44
Exons	5293..5476, 6661..6821		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7936	Strand	+
Start	25511	End	29022
Name	OJ990422_22.9819.C11.o4.np	Method	AAT/NAP
Start	25511	End	29022
GI	6324046	Score	95
Exons	25511..25602, 26759..27251, 28925..29022		
GI Descrip.	Putative integral membrane protein containing novel cysteine motif. Similarity to SLG1 (WSC1), WSC3 and WSC4; Wsc2p gi|1730647|sp|P53832|YN23_YEAST HYPOTHETICAL 52.3 KD PROTEIN IN MRPL10-ERG24 INTERGENIC REGION PRECURSOR gi|2132783|pir||S63257 probable membrane protein YNL283c - yeast (Saccharomyces cerevisiae) gi|1302357|emb|CAA96195| (Z71559) ORF YNL283c [Saccha		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7937	Strand	+
Start	29771	End	30193
Name	OJ990422_22.9819.C11.o7.gs	Method	GENSCAN
Start	29771	End	30193
GI	none	Score	.89
Exons	29771..30193		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7938	Strand	+
Start	31104	End	31602
Name	OJ990422_22.9819.C11.o9.gp	Method	AAT/GAP
Start	31056	End	31602
GI	none	Score	824
Exons	31056..31208, 31299..31602		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7938	Strand	+
Start	31104	End	31602
Name	OJ990422_22.9819.C11.o8.gs	Method	GENSCAN
Start	31104	End	31602
GI	none	Score	.78
Exons	31104..31208, 31299..31602		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7939	Strand	-
Start	6526	End	10154

Name	OJ990422_22.9819.C11.o1.gp	Method	AAT/GAP
Start	6526	End	10154
GI	none	Score	610
Exons	6526..6743, 10056..10154		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7940	Strand	-
Start	10063	End	10586
Name	OJ990422_22.9819.C11.o1.np	Method	AAT/NAP
Start	10017	End	10521
GI	6056421	Score	190
Exons	10017..10521		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7940	Strand	-
Start	10063	End	10586
Name	OJ990422_22.9819.C11.o3.gs	Method	GENSCAN
Start	10063	End	10545
GI	none	Score	.98
Exons	10063..10545		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7940	Strand	-
Start	10063	End	10586
Name	OJ990422_22.9819.C11.o2.gp	Method	AAT/GAP
Start	10322	End	10586
GI	969011	Score	353
Exons	10322..10586		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7941	Strand	-
Start	12153	End	13982
Name	OJ990422_22.9819.C11.o4.gs	Method	GENSCAN
Start	12153	End	13982
GI	none	Score	.93
Exons	12153..13982		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7941	Strand	-
Start	12153	End	13982
Name	OJ990422_22.9819.C11.o2.np	Method	AAT/NAP
Start	12156	End	13879
GI	6175165	Score	1696
Exons	12156..13879		
GI Descrip.	(AC011437) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7941	Strand	-
Start	12153	End	13982
Name	OJ990422_22.9819.C11.o5.gp	Method	AAT/GAP
Start	12435	End	12851
GI	59484_1.R1084	Score	827
Exons	12435..12851		
GI Descrip.	'1946355 2.0e-26 (U93215) maize transposon MuDR mudrA protein isolog [Arabidopsis thaliana] >gi_2880040 (AC002340) maize transposon MuDR mudrA-like protein [Arabidopsis thaliana]'		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	10054	End	10425
GI	none	Score	73
Exons	10054..10371, 10055..10210, 10277..10387, 10375..10425		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	10057	End	10435
GI	none	Score	132
Exons	10057..10434, 10058..10210, 10271..10435		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	10153	End	10425
GI	none	Score	259
Exons	10153..10425		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	10252	End	10449
GI	none	Score	199
Exons	10252..10449, 10271..10429		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	12162	End	12814
GI	none	Score	35
Exons	12162..12254, 12169..12186, 12169..12303, 12174..12290, 12321..12812, 12322..12813, 12419..12814		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	12315	End	12686
GI	none	Score	395
Exons	12315..12686, 12316..12684		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	12328	End	12695
GI	none	Score	197
Exons	12328..12675, 12352..12612, 12354..12695		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	12744	End	13324
GI	none	Score	220
Exons	12744..12926, 12744..12926, 12745..12927, 12752..12928, 12781..12933, 12927..13262, 12930..13262, 12931..13263, 12931..13263, 13233..13322, 13270..13323, 13271..13324		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o5.ts	Method	TBLASTX:Soybean
Start	12978	End	13211
GI	none	Score	144
Exons	12978..13211, 12979..13209		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	13329	End	13559
GI	none	Score	164
Exons	13329..13556, 13329..13559, 13339..13557		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	13356	End	13778
GI	none	Score	247
Exons	13356..13778, 13357..13770		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	13446	End	13869
GI	none	Score	266
Exons	13446..13868, 13447..13869		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	13659	End	13871
GI	none	Score	133
Exons	13659..13871, 13672..13869		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o5.gs	Method	GENSCAN
Start	14608	End	27331
GI	none	Score	.62

Exons	14608..14800, 16902..17013, 17933..18011, 18550..18641, 18741..18816, 18983..19185, 19645..19666, 22031..22066, 22845..22880, 23539..23589, 24280..24538, 24695..24918, 24999..25098, 26763..27331

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o6.gp	Method	AAT/GAP
Start	18346	End	19172
GI	63836_1.R1084	Score	1047
Exons	18346..18641, 18741..18816, 18983..19172		
GI Descrip.	'4580391/gb|AAD24369.1|AC007171_5 7.0e-10 (AC007171) unknown protein [Arabidopsis thaliana]'		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o7.gp	Method	AAT/GAP
Start	20743	End	22924
GI	none	Score	1222
Exons	20743..21052, 21140..21211, 21836..21914, 21997..22066, 22159..22204, 22300..22340, 22845..22924		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	21821	End	24790
GI	none	Score	83
Exons	21821..21904, 21834..21908, 21835..21909, 21836..21904, 21996..22067, 21996..22067, 21998..22069, 22158..22205, 22159..22206, 22845..22964, 22846..22965, 22865..22963, 23474..23587, 23474..23590, 23688..23753, 23703..23741, 23710..23775, 23720..23770, 23762..23926, 23770..23928, 23784..23933, 23793..23933, 23938..24102, 23939..24103, 24103..24225, 24107..24223, 24126..24251, 24228..24257, 24229..24252, 24252..24350, 24256..24360, 24257..24343, 24320..24535, 24325..24486, 24350..24529, 24690..24788, 24694..24789, 24695..24790		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o3.np	Method	AAT/NAP
Start	22845	End	27226
GI	5902379	Score	473
Exons	22845..22964, 23475..23589, 23709..24036, 24185..24538, 24695..24918, 25002..25098, 26763..27226		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana] gi|6453852|gb|AAF09036.1|AC011717_3 (AC011717) unknown protein [Arabidopsis thaliana]		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o8.gp	Method	AAT/GAP

Start	23923	End	24274
GI	none	Score	697
Exons	23923..24274		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o5.np	Method	AAT/NAP
Start	25275	End	29922
GI	3600039	Score	348
Exons	25275..25410, 28357..28543, 28687..29035, 29710..29922		
GI Descrip.	(AF080119) similar to Schizosaccharomyces pombe isp4 protein (GB:D14061) [Arabidopsis thaliana]		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o6.gs	Method	GENSCAN
Start	28651	End	29234
GI	none	Score	.52
Exons	28651..28832, 29192..29234		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o4.tc	Method	TBLASTX:Cress
Start	28663	End	29036
GI	none	Score	97
Exons	28663..28737, 28756..28830, 28871..29035, 28872..29036		

Seq. No.	3740	Seq. ID	OJ990422_22.9819.C11
Gene No.	7942	Strand	-
Start	14608	End	29922
Name	OJ990422_22.9819.C11.o6.ts	Method	TBLASTX:Soybean
Start	28853	End	29035
GI	none	Score	157
Exons	28853..29035, 28881..29030		

Seq. No.	3741	Seq. ID	OJ990402_22.9819.C2
Gene No.	7943	Strand	-
Start	147	End	500
Name	OJ990402_22.9819.C2.o1.gs	Method	GENSCAN
Start	147	End	500
GI	none	Score	.54
Exons	147..249, 290..500		

Seq. No.	3742	Seq. ID	OJ990402_22.9819.C3
Gene No.	7944	Strand	+
Start	42	End	695
Name	OJ990402_22.9819.C3.o1.gs	Method	GENSCAN
Start	42	End	695
GI	none	Score	.7
Exons	42..695		

Seq. No.	3743	Seq. ID	OJ990402_22.9819.C4
Gene No.	7945	Strand	-
Start	214	End	632

Name	OJ990402_22.9819.C4.o1.gs	Method	GENSCAN
Start	214	End	632
GI	none	Score	.81
Exons	214..332, 555..632		

Seq. No.	3744	Seq. ID	OJ990402_22.9819.C5
Gene No.	7946	Strand	+
Start	623	End	734
Name	OJ990402_22.9819.C5.o1.gs	Method	GENSCAN
Start	623	End	734
GI	none	Score	.6
Exons	623..734		

Seq. No.	3745	Seq. ID	OJ990402_22.9819.C6
Gene No.	7947	Strand	+
Start	265	End	895
Name	OJ990402_22.9819.C6.o1.gs	Method	GENSCAN
Start	265	End	713
GI	none	Score	.52
Exons	265..353, 382..713		

Seq. No.	3745	Seq. ID	OJ990402_22.9819.C6
Gene No.	7947	Strand	+
Start	265	End	895
Name	OJ990402_22.9819.C6.o1.np	Method	AAT/NAP
Start	404	End	895
GI	4063770	Score	144
Exons	404..895		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	3746	Seq. ID	OJ990402_22.9819.C7
Gene No.	7948	Strand	+
Start	1	End	750
Name	OJ990402_22.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	750
GI	4680180	Score	598
Exons	1..28, 63..750		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	3746	Seq. ID	OJ990402_22.9819.C7
Gene No.	7948	Strand	+
Start	1	End	750
Name	OJ990402_22.9819.C7.o1.gs	Method	GENSCAN
Start	91	End	711
GI	none	Score	.92
Exons	91..711		

Seq. No.	3746	Seq. ID	OJ990402_22.9819.C7
Gene No.	7948	Strand	+
Start	1	End	750
Name	OJ990402_22.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	247	End	552
GI	none	Score	359
Exons	247..552, 264..551		

Seq. No.	3746	Seq. ID	OJ990402_22.9819.C7
Gene No.	7948	Strand	+

Start	1	End	750
Name	OJ990402_22.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	247	End	630
GI	none	Score	375
Exons	247..630, 255..629		

Seq. No.	3747	Seq. ID	OJ990402_22.9819.C8
Gene No.	7949	Strand	+
Start	139	End	695
Name	OJ990402_22.9819.C8.o1.gs	Method	GENSCAN
Start	139	End	695
GI	none	Score	.76
Exons	139..357, 535..695		

Seq. No.	3748	Seq. ID	OJ990402_22.9819.C9
Gene No.	7950	Strand	-
Start	127	End	743
Name	OJ990402_22.9819.C9.o1.gs	Method	GENSCAN
Start	127	End	743
GI	none	Score	.82
Exons	127..221, 226..361, 738..743		

Seq. No.	3749	Seq. ID	OJ990402_22.9819.C10
Gene No.	7951	Strand	-
Start	307	End	598
Name	OJ990402_22.9819.C10.o1.gs	Method	GENSCAN
Start	307	End	598
GI	none	Score	.45
Exons	307..376, 508..598		

Seq. No.	3750	Seq. ID	OJ990402_22.9819.C11
Gene No.	7952	Strand	-
Start	1	End	744
Name	OJ990402_22.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	744
GI	5902444	Score	315
Exons	1..744		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	3750	Seq. ID	OJ990402_22.9819.C11
Gene No.	7952	Strand	-
Start	1	End	744
Name	OJ990402_22.9819.C11.o1.gs	Method	GENSCAN
Start	173	End	400
GI	none	Score	.49
Exons	173..400		

Seq. No.	3751	Seq. ID	OJ990402_22.9819.C12
Gene No.	7953	Strand	+
Start	1	End	2324
Name	OJ990402_22.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	2324
GI	6721512	Score	87
Exons	1..51, 1213..1349, 1377..1513, 2285..2324		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3751	Seq. ID	OJ990402_22.9819.C12

Gene No.	7954	Strand	-
Start	121	End	1286
Name	OJ990402_22.9819.C12.o1.gs	Method	GENSCAN
Start	121	End	1286
GI	none	Score	.74
Exons	121..667, 857..1168, 1213..1286		

Seq. No.	3752	Seq. ID	OJ990402_22.9819.C13
Gene No.	7955	Strand	+
Start	1	End	1954
Name	OJ990402_22.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1804
GI	4538896	Score	1056
Exons	1..613, 674..867, 957..1804		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	3752	Seq. ID	OJ990402_22.9819.C13
Gene No.	7955	Strand	+
Start	1	End	1954
Name	OJ990402_22.9819.C13.o1.gs	Method	GENSCAN
Start	114	End	1954
GI	none	Score	.93
Exons	114..867, 957..1954		

Seq. No.	3752	Seq. ID	OJ990402_22.9819.C13
Gene No.	7955	Strand	+
Start	1	End	1954
Name	OJ990402_22.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	383	End	653
GI	none	Score	336
Exons	383..508, 384..653, 393..653		

Seq. No.	3752	Seq. ID	OJ990402_22.9819.C13
Gene No.	7955	Strand	+
Start	1	End	1954
Name	OJ990402_22.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	1475	End	1903
GI	none	Score	155
Exons	1475..1699, 1608..1823, 1686..1892, 1687..1893, 1688..1897, 1756..1899, 1757..1903		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7956	Strand	+
Start	94	End	424
Name	OJ990402_22.9819.C14.o1.gs	Method	GENSCAN
Start	94	End	424
GI	none	Score	.85
Exons	94..213, 290..424		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7957	Strand	+
Start	13964	End	19584
Name	OJ990402_22.9819.C14.o1.np	Method	AAT/NAP
Start	13964	End	17983
GI	130582	Score	2695
Exons	13964..17983		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94		

[CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]
gi|100342|pir||S04273 hypothetical protein - common tobacco
gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7957	Strand	+
Start	13964	End	19584
Name	OJ990402_22.9819.C14.o1.gp	Method	AAT/GAP
Start	15294	End	15730
GI	2428449	Score	806
Exons	15294..15730		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7957	Strand	+
Start	13964	End	19584
Name	OJ990402_22.9819.C14.o2.np	Method	AAT/NAP
Start	15926	End	19584
GI	4558666	Score	190
Exons	15926..15948, 18385..18510, 18612..19024, 19521..19584		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7957	Strand	+
Start	13964	End	19584
Name	OJ990402_22.9819.C14.o2.gp	Method	AAT/GAP
Start	16778	End	17020
GI	1621494	Score	442
Exons	16778..17020		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7958	Strand	-
Start	2580	End	3055
Name	OJ990402_22.9819.C14.o2.gs	Method	GENSCAN
Start	2580	End	3055
GI	none	Score	.72
Exons	2580..2730, 3021..3055		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7959	Strand	-
Start	4444	End	7538
Name	OJ990402_22.9819.C14.o3.gs	Method	GENSCAN
Start	4444	End	7538
GI	none	Score	.79
Exons	4444..4661, 5314..5488, 5924..6211, 7089..7538		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7960	Strand	
Start	14306	End	14721
Name	OJ990402_22.9819.C14.o4.tw	Method	TBLASTX:Wheat
Start	14306	End	14721
GI	none	Score	179
Exons	14306..14458, 14326..14448, 14438..14548, 14441..14542,		

14455..14547, 14543..14602, 14551..14586, 14565..14657,
14675..14719, 14677..14721

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7961	Strand	
Start	15443	End	16162
Name	OJ990402_22.9819.C14.o4.tm	Method	TBLASTX:Maize
Start	15443	End	15928
GI	none	Score	333
Exons	15443..15928, 15632..15874, 15637..15927		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7961	Strand	
Start	15443	End	16162
Name	OJ990402_22.9819.C14.o3.tw	Method	TBLASTX:Wheat
Start	15457	End	16111
GI	none	Score	336
Exons	15457..15867, 15458..15907, 15907..15987, 16004..16111		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7961	Strand	
Start	15443	End	16162
Name	OJ990402_22.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	15677	End	16129
GI	none	Score	289
Exons	15677..16006, 15686..15931, 15706..15936, 15992..16129		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7961	Strand	
Start	15443	End	16162
Name	OJ990402_22.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	15695	End	16162
GI	none	Score	187
Exons	15695..15988, 16003..16119, 16004..16162		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	16342	End	16779
GI	none	Score	627
Exons	16342..16779, 16343..16777		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	16609	End	17047
GI	none	Score	342
Exons	16609..16914, 16619..17047		

Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o3.tc	Method	TBLASTX:Cress
Start	16619	End	16825
GI	none	Score	200

Exons	16619..16825, 16622..16825		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	16643	End	17032
GI	none	Score	381
Exons	16643..17032, 16663..16938, 16664..16987, 16737..16994		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	16781	End	17401
GI	none	Score	159
Exons	16781..16930, 16967..17401, 17023..17157, 17081..17251		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	17050	End	17496
GI	none	Score	127
Exons	17050..17142, 17051..17209, 17178..17471, 17185..17496, 17186..17491, 17245..17493		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	17375	End	17974
GI	none	Score	58
Exons	17375..17503, 17498..17593, 17603..17749, 17765..17974		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o5.tw	Method	TBLASTX:Wheat
Start	17515	End	17950
GI	none	Score	155
Exons	17515..17697, 17528..17731, 17749..17934, 17750..17950		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	17552	End	17978
GI	none	Score	543
Exons	17552..17974, 17554..17976, 17733..17978, 17875..17976		
Seq. No.	3753	Seq. ID	OJ990402_22.9819.C14
Gene No.	7962	Strand	
Start	16342	End	17978
Name	OJ990402_22.9819.C14.o3.ts	Method	TBLASTX:Soybean
Start	17576	End	17974
GI	none	Score	298

Exons	17576..17851, 17602..17859, 17861..17974, 17875..17973		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7963	Strand	+
Start	1	End	20301
Name	OJ990402_22.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	5885
GI	2245108	Score	418
Exons	1..46, 330..437, 1977..2329, 3893..3976, 4092..4169, 5829..5885		
GI Descrip.	(Z97343) EREBP-4 like protein [Arabidopsis thaliana]		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7963	Strand	+
Start	1	End	20301
Name	OJ990402_22.9819.C15.o1.gs	Method	GENSCAN
Start	275	End	20301
GI	none	Score	.5
Exons	275..437, 2153..2329, 3127..3213, 3893..3976, 4093..4204, 4921..5008, 5543..5661, 14053..14275, 14413..14593, 15356..15999, 17689..17955, 18405..18512, 20221..20301		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7963	Strand	+
Start	1	End	20301
Name	OJ990402_22.9819.C15.o2.np	Method	AAT/NAP
Start	14128	End	17982
GI	2842493	Score	647
Exons	14128..14275, 14398..14593, 15356..15464, 15567..15796, 17734..17982		
GI Descrip.	(AL021749) predicted protein [Arabidopsis thaliana]		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7964	Strand	+
Start	22866	End	22946
Name	OJ990402_22.9819.C15.o3.np	Method	AAT/NAP
Start	22866	End	22946
GI	5922623	Score	73
Exons	22866..22946		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	359	End	2328
GI	none	Score	124
Exons	359..448, 364..426, 2032..2145, 2044..2214, 2052..2192, 2217..2321, 2218..2328		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	359	End	2335
GI	none	Score	117

Exons	359..436, 2040..2330, 2040..2330, 2041..2331, 2045..2335		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	359	End	2331
GI	none	Score	120
Exons	359..436, 364..426, 2040..2120, 2040..2330, 2041..2331		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	359	End	4304
GI	none	Score	134
Exons	359..436, 364..432, 2039..2329, 2040..2330, 2040..2330, 2041..2331, 3885..3974, 3890..3979, 3892..3975, 3896..3979, 4087..4203, 4089..4208, 4092..4229, 4235..4303, 4239..4304		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	14407	End	14595
GI	none	Score	114
Exons	14407..14490, 14409..14489, 14515..14595, 14517..14594		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	15355	End	15774
GI	none	Score	107
Exons	15355..15441, 15567..15596, 15568..15603, 15607..15654, 15676..15774, 15681..15773		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	15379	End	15792
GI	none	Score	104
Exons	15379..15441, 15564..15791, 15568..15792		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	15598	End	15792
GI	none	Score	287
Exons	15598..15792, 15632..15688, 15633..15791		
Seq. No.	3754	Seq. ID	OJ990402_22.9819.C15
Gene No.	7965	Strand	-
Start	21883	End	23074
Name	OJ990402_22.9819.C15.o2.gs	Method	GENSCAN

Start	21883	End	23074
GI	none	Score	.89
Exons	21883..21982, 22899..23074		

Seq. No.	3755	Seq. ID	OJ990402_22.9819.C16
Gene No.	7966	Strand	-
Start	519	End	1324
Name	OJ990402_22.9819.C16.o1.gs	Method	GENSCAN
Start	519	End	1324
GI	none	Score	.45
Exons	519..571, 1222..1324		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o1.gp	Method	AAT/GAP
Start	177	End	630
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	177..630		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o1.gs	Method	GENSCAN
Start	455	End	6502
GI	none	Score	.55
Exons	455..615, 766..968, 973..1020, 1084..1215, 1306..1343, 1409..1591, 1684..1942, 2019..2317, 2411..2821, 2906..3242, 3348..3498, 3874..6502		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o1.np	Method	AAT/NAP
Start	734	End	6049
GI	5441880	Score	4735
Exons	734..968, 1084..1215, 1306..1329, 1366..1439, 1684..1942, 2019..2317, 2906..3242, 3348..3498, 3994..4309, 4568..4599, 5044..6049		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o2.gp	Method	AAT/GAP
Start	1692	End	2191
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	1692..1942, 2019..2191		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17

Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	4814	End	5194
GI	none	Score	81
Exons	4814..4990, 4844..4990, 4875..4994, 4988..5185, 5000..5194		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	4892	End	5488
GI	none	Score	151
Exons	4892..4963, 5027..5326, 5088..5309, 5360..5488, 5382..5480		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o3.gp	Method	AAT/GAP
Start	5014	End	5445
GI	5701669	Score	841
Exons	5014..5445		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o2.np	Method	AAT/NAP
Start	6062	End	7120
GI	6721543	Score	172
Exons	6062..6178, 6991..7120		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3756	Seq. ID	OJ990402_22.9819.C17
Gene No.	7967	Strand	-
Start	455	End	7120
Name	OJ990402_22.9819.C17.o4.gp	Method	AAT/GAP
Start	6940	End	7104
GI	7406_1.R1084	Score	206
Exons	6940..7104		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7968	Strand	+
Start	1	End	2463
Name	OJ990402_22.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	2463
GI	4337200	Score	51
Exons	1..122, 193..247, 2334..2463		
GI Descrip.	(AC006403) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7968	Strand	+

Start	1	End	2463
Name	OJ990402_22.9819.C18.o1.gs	Method	GENSCAN
Start	25	End	512
GI	none	Score	.48
Exons	25..91, 283..512		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7969	Strand	+
Start	9382	End	11483
Name	OJ990402_22.9819.C18.o3.np	Method	AAT/NAP
Start	9382	End	11477
GI	4680203	Score	1502
Exons	9382..10956, 10999..11091, 11245..11477		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7969	Strand	+
Start	9382	End	11483
Name	OJ990402_22.9819.C18.o2.gp	Method	AAT/GAP
Start	11347	End	11483
GI	5002953	Score	213
Exons	11347..11483		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7970	Strand	-
Start	1358	End	3208
Name	OJ990402_22.9819.C18.o2.gs	Method	GENSCAN
Start	1358	End	3208
GI	none	Score	.87
Exons	1358..1441, 2341..2459, 3145..3208		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7971	Strand	-
Start	4864	End	6812
Name	OJ990402_22.9819.C18.o3.gs	Method	GENSCAN
Start	4864	End	6812
GI	none	Score	.98
Exons	4864..4992, 5103..5123, 5153..5230, 5434..6277, 6346..6812		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7971	Strand	-
Start	4864	End	6812
Name	OJ990402_22.9819.C18.o2.np	Method	AAT/NAP
Start	5070	End	6733
GI	3395426	Score	1141
Exons	5070..5230, 5434..6277, 6346..6733		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7971	Strand	-
Start	4864	End	6812
Name	OJ990402_22.9819.C18.o1.gp	Method	AAT/GAP
Start	5792	End	6047
GI	428091	Score	445
Exons	5792..6047		

GI Descrip. 3395426 1.0e-10 (AC004683) unknown protein [Arabidopsis thaliana]

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7972	Strand	-
Start	8790	End	9080
Name	OJ990402_22.9819.C18.o3.tc	Method	TBLASTX:Cress
Start	5117	End	5599
GI	none	Score	107
Exons	5117..5233, 5432..5551, 5434..5556, 5557..5598, 5558..5599		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7972	Strand	-
Start	8790	End	9080
Name	OJ990402_22.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	5594	End	5863
GI	none	Score	40
Exons	5594..5632, 5599..5643, 5650..5862, 5678..5863		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7972	Strand	-
Start	8790	End	9080
Name	OJ990402_22.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	6468	End	6746
GI	none	Score	177
Exons	6468..6740, 6484..6732, 6531..6746		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7972	Strand	-
Start	8790	End	9080
Name	OJ990402_22.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	6559	End	6734
GI	none	Score	120
Exons	6559..6726, 6561..6734, 6564..6734		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7972	Strand	-
Start	8790	End	9080
Name	OJ990402_22.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	6564	End	6734
GI	none	Score	75
Exons	6564..6734, 6646..6732		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7972	Strand	-
Start	8790	End	9080
Name	OJ990402_22.9819.C18.o4.gs	Method	GENSCAN
Start	8790	End	9080
GI	none	Score	.98
Exons	8790..8822, 8862..8901, 9016..9080		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7973	Strand	
Start	9736	End	10869
Name	OJ990402_22.9819.C18.o4.tw	Method	TBLASTX:Wheat
Start	9736	End	10287
GI	none	Score	223

Exons	9736..10137, 9975..10136, 10165..10287, 10182..10277		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7973	Strand	
Start	9736	End	10869
Name	OJ990402_22.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	10015	End	10434
GI	none	Score	131
Exons	10015..10137, 10017..10136, 10159..10434, 10185..10430		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7973	Strand	
Start	9736	End	10869
Name	OJ990402_22.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	10165	End	10512
GI	none	Score	322
Exons	10165..10512, 10182..10319, 10356..10415, 10366..10470, 10437..10511		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7973	Strand	
Start	9736	End	10869
Name	OJ990402_22.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	10300	End	10766
GI	none	Score	54
Exons	10300..10353, 10308..10343, 10354..10458, 10365..10451, 10450..10560, 10459..10575, 10463..10561, 10467..10637, 10578..10766, 10606..10761		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7973	Strand	
Start	9736	End	10869
Name	OJ990402_22.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	10357	End	10800
GI	none	Score	229
Exons	10357..10602, 10407..10598, 10606..10800		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7973	Strand	
Start	9736	End	10869
Name	OJ990402_22.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	10635	End	10869
GI	none	Score	250
Exons	10635..10790, 10636..10869		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7974	Strand	
Start	11008	End	11358
Name	OJ990402_22.9819.C18.o5.tw	Method	TBLASTX:Wheat
Start	11008	End	11358
GI	none	Score	183
Exons	11008..11238, 11037..11237, 11274..11357, 11275..11358		
Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7974	Strand	
Start	11008	End	11358
Name	OJ990402_22.9819.C18.o4.tm	Method	TBLASTX:Maize

Start	11014	End	11229
GI	none	Score	166
Exons	11014..11160, 11043..11150, 11167..11229		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7975	Strand	
Start	11362	End	11721
Name	OJ990402_22.9819.C18.o3.tw	Method	TBLASTX:Wheat
Start	11362	End	11718
GI	none	Score	306
Exons	11362..11718, 11406..11711		

Seq. No.	3757	Seq. ID	OJ990402_22.9819.C18
Gene No.	7975	Strand	
Start	11362	End	11721
Name	OJ990402_22.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	11403	End	11721
GI	none	Score	272
Exons	11403..11678, 11404..11721		

Seq. No.	3758	Seq. ID	OJ990402_22.9819.C19
Gene No.	7976	Strand	+
Start	2464	End	4579
Name	OJ990402_22.9819.C19.o1.gs	Method	GENSCAN
Start	2464	End	4579
GI	none	Score	.62
Exons	2464..2593, 2682..3415, 3494..3955, 4037..4579		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7977	Strand	+
Start	8644	End	9282
Name	OJ990402_22.9819.C20.o2.gs	Method	GENSCAN
Start	8644	End	9282
GI	none	Score	.82
Exons	8644..9282		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7978	Strand	+
Start	11173	End	15286
Name	OJ990402_22.9819.C20.o3.gs	Method	GENSCAN
Start	11173	End	15092
GI	none	Score	.92
Exons	11173..11204, 11369..11466, 11723..11837, 12938..13019, 13154..13358, 13947..14006, 14130..14182, 14299..14421, 14554..14623, 14722..14800, 14882..14963, 15066..15092		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7978	Strand	+
Start	11173	End	15286
Name	OJ990402_22.9819.C20.o1.gp	Method	AAT/GAP
Start	11358	End	13217
GI	16779_1.R1084	Score	855
Exons	11358..11579, 11723..11837, 12938..13019, 13154..13217		
GI Descrip.	'4539422/emb|CAB38955.1| 1.0e-22 (AL049171) putative protein [Arabidopsis thaliana]'		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20

Gene No.	7978	Strand	+
Start	11173	End	15286
Name	OJ990402_22.9819.C20.o2.gp	Method	AAT/GAP
Start	13268	End	15286
GI	22006_1.R1084	Score	1374
Exons	13268..13358, 13947..14006, 14130..14182, 14299..14421, 14554..14623, 14722..14800, 14882..14963, 15066..15286		
GI Descrip.	'2935529 4.0e-93 (AF049069) No definition line found [Pinus radiata]'		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7979	Strand	+
Start	16329	End	16761
Name	OJ990402_22.9819.C20.o3.gp	Method	AAT/GAP
Start	16329	End	16761
GI	36924_1.R1084	Score	635
Exons	16329..16761		
GI Descrip.	'2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7980	Strand	-
Start	15743	End	16046
Name	OJ990402_22.9819.C20.o4.gs	Method	GENSCAN
Start	15743	End	16046
GI	none	Score	.68
Exons	15743..15828, 15890..16046		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o6.tw	Method	TBLASTX:Wheat
Start	757	End	1090
GI	none	Score	145
Exons	757..1089, 809..1090		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	952	End	1537
GI	none	Score	104
Exons	952..1377, 953..1150, 1214..1378, 1373..1522, 1375..1536, 1382..1537		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	1090	End	1716
GI	none	Score	44
Exons	1090..1716, 1091..1150, 1211..1657, 1687..1713		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822

Name	OJ990402_22.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	1585	End	1877
GI	none	Score	296
Exons	1585..1875, 1589..1876, 1689..1877		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	1675	End	1935
GI	none	Score	185
Exons	1675..1935, 1676..1924		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o3.tc	Method	TBLASTX:Cress
Start	1699	End	2025
GI	none	Score	87
Exons	1699..1842, 1700..1840, 1843..2025		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	1722	End	2262
GI	none	Score	144
Exons	1722..2003, 1723..2262, 1727..2080		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	2290	End	2643
GI	none	Score	213
Exons	2290..2643, 2297..2638		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	2290	End	2715
GI	none	Score	325
Exons	2290..2715, 2297..2713		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o4.ts	Method	TBLASTX:Soybean
Start	2461	End	2706
GI	none	Score	204
Exons	2461..2706		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o8.tm	Method	TBLASTX:Maize

Start	2650	End	2982
GI	none	Score	144
Exons	2650..2982, 2651..2929		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o5.tw	Method	TBLASTX:Wheat
Start	2716	End	2979
GI	none	Score	250
Exons	2716..2979, 2717..2977		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	2731	End	3126
GI	none	Score	189
Exons	2731..2982, 2741..2974, 3037..3090, 3047..3088, 3094..3126, 3094..3126		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o5.tm	Method	TBLASTX:Maize
Start	3037	End	3484
GI	none	Score	111
Exons	3037..3480, 3047..3484		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o4.tw	Method	TBLASTX:Wheat
Start	3067	End	3550
GI	none	Score	237
Exons	3067..3549, 3070..3546, 3110..3550		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o5.ts	Method	TBLASTX:Soybean
Start	3199	End	3513
GI	none	Score	198
Exons	3199..3513		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o10.tm	Method	TBLASTX:Maize
Start	3485	End	3678
GI	none	Score	164
Exons	3485..3640, 3487..3678		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o8.tw	Method	TBLASTX:Wheat

Start	3682	End	4035
GI	none	Score	255
Exons	3682..4035		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o7.tw	Method	TBLASTX:Wheat
Start	4369	End	4719
GI	none	Score	308
Exons	4369..4719		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o9.tm	Method	TBLASTX:Maize
Start	4414	End	4719
GI	none	Score	242
Exons	4414..4719		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o10.tw	Method	TBLASTX:Wheat
Start	4771	End	4969
GI	none	Score	136
Exons	4771..4968, 4772..4969		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o6.tm	Method	TBLASTX:Maize
Start	11722	End	13359
GI	none	Score	50
Exons	11722..11757, 11758..11838, 11758..11838, 12929..13021, 12936..13025, 13153..13356, 13154..13357, 13302..13358, 13309..13359		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	11752	End	15092
GI	none	Score	81
Exons	11752..11838, 12929..13024, 12936..13022, 13153..13368, 13154..13357, 13925..14008, 14129..14197, 14296..14424, 14296..14421, 14298..14423, 14754..14798, 14880..14963, 15063..15092		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	11767	End	15113
GI	none	Score	83
Exons	11767..11952, 12945..13022, 13153..13356, 13154..13357, 13925..14008, 13945..14007, 14084..14197, 14128..14193,		

14296..14424, 14296..14418, 14298..14423, 14541..14621,
14553..14621, 14554..14622, 14720..14752, 14721..14798,
14736..14801, 14880..14963, 14881..14931, 15063..15113

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o7.tm	Method	TBLASTX:Maize
Start	13945	End	14622
GI	none	Score	102
Exons	13945..14007, 13946..14008, 14128..14193, 14129..14197, 14296..14424, 14297..14422, 14298..14423, 14553..14621, 14554..14622		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o9.tw	Method	TBLASTX:Wheat
Start	13946	End	14609
GI	none	Score	82
Exons	13946..14005, 13946..14011, 14129..14182, 14131..14193, 14132..14197, 14281..14424, 14315..14422, 14541..14609, 14552..14608, 14553..14609		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o11.tm	Method	TBLASTX:Maize
Start	14722	End	15092
GI	none	Score	47
Exons	14722..14745, 14726..14752, 14727..14753, 14751..14804, 14754..14798, 14759..14800, 14878..14949, 14880..14963, 14881..14949, 14886..14972, 15063..15092		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o4.tm	Method	TBLASTX:Maize
Start	16640	End	17021
GI	none	Score	111
Exons	16640..16828, 16670..16828, 16671..16934, 16820..16957, 16821..16982, 16822..16971, 16946..17020, 16947..17021		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o2.tc	Method	TBLASTX:Cress
Start	16682	End	16942
GI	none	Score	81
Exons	16682..16819, 16683..16823, 16832..16942, 16836..16940		

Seq. No.	3759	Seq. ID	OJ990402_22.9819.C20
Gene No.	7981	Strand	-
Start	22656	End	23822
Name	OJ990402_22.9819.C20.o6.gs	Method	GENSCAN
Start	22656	End	23822
GI	none	Score	.72

Exons	22656..22783, 22883..23036, 23796..23822		
Seq. No.	3760	Seq. ID	OJ990402_22.9819.C22
Gene No.	7982	Strand	+
Start	1	End	572
Name	OJ990402_22.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	572
GI	2498930	Score	50
Exons	1..39, 512..572		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	3760	Seq. ID	OJ990402_22.9819.C22
Gene No.	7983	Strand	+
Start	513	End	572
Name	OJ990402_22.9819.C22.o1.gs	Method	GENSCAN
Start	513	End	572
GI	none	Score	.94
Exons	513..572		
Seq. No.	3761	Seq. ID	OJ990402_22.9819.C23
Gene No.	7984	Strand	+
Start	1	End	737
Name	OJ990402_22.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	737
GI	2498930	Score	1186
Exons	1..737		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	3762	Seq. ID	OJ990402_22.9819.C24
Gene No.	7985	Strand	-
Start	88	End	687
Name	OJ990402_22.9819.C24.o1.gs	Method	GENSCAN
Start	88	End	687
GI	none	Score	.5
Exons	88..687		
Seq. No.	3763	Seq. ID	OJ990402_22.9819.C27
Gene No.	7986	Strand	-
Start	1	End	1046
Name	OJ990402_22.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	1046
GI	2979551	Score	436
Exons	1..1046		
GI Descrip.	(AC003680) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	3763	Seq. ID	OJ990402_22.9819.C27
Gene No.	7986	Strand	-
Start	1	End	1046
Name	OJ990402_22.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	2	End	338
GI	none	Score	158
Exons	2..130, 8..115, 10..126, 191..298, 192..296, 226..336, 246..338		
Seq. No.	3763	Seq. ID	OJ990402_22.9819.C27
Gene No.	7986	Strand	-

Start	1	End	1046
Name	OJ990402_22.9819.C27.o1.gs	Method	GENSCAN
Start	50	End	1045
GI	none	Score	.82
Exons	50..1045		

Seq. No.	3764	Seq. ID	OJ990402_22.9819.C28
Gene No.	7987	Strand	+
Start	191	End	579
Name	OJ990402_22.9819.C28.o1.gs	Method	GENSCAN
Start	191	End	579
GI	none	Score	.41
Exons	191..229, 267..579		

Seq. No.	3765	Seq. ID	OJ990422_23.9819.C1
Gene No.	7988	Strand	-
Start	78	End	646
Name	OJ990422_23.9819.C1.o1.gs	Method	GENSCAN
Start	78	End	646
GI	none	Score	.6
Exons	78..195, 522..646		

Seq. No.	3766	Seq. ID	OJ990422_23.9819.C2
Gene No.	7989	Strand	-
Start	598	End	689
Name	OJ990422_23.9819.C2.o1.gs	Method	GENSCAN
Start	598	End	689
GI	none	Score	.7
Exons	598..689		

Seq. No.	3767	Seq. ID	OJ990422_23.9819.C3
Gene No.	7990	Strand	+
Start	287	End	840
Name	OJ990422_23.9819.C3.o1.gs	Method	GENSCAN
Start	287	End	840
GI	none	Score	.63
Exons	287..344, 713..840		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7991	Strand	+
Start	52	End	207
Name	OJ990422_23.9819.C4.o1.gs	Method	GENSCAN
Start	52	End	207
GI	none	Score	.72
Exons	52..207		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7992	Strand	-
Start	5148	End	6329
Name	OJ990422_23.9819.C4.o1.np	Method	AAT/NAP
Start	5148	End	6329
GI	6907106	Score	447
Exons	5148..5331, 5405..5613, 5794..6085, 6156..6329		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4

Gene No.	7993	Strand	-
Start	7365	End	7779
Name	OJ990422_23.9819.C4.o1.gp	Method	AAT/GAP
Start	7365	End	7779
GI	uC-osflcyp021f01b1	Score	284
Exons	7365..7387, 7595..7779		
GI Descrip.	'5852077/emb|AL117264.1|OSB6015 1.0e-31 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015'		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	5244	End	5584
GI	none	Score	161
Exons	5244..5300, 5245..5373, 5245..5373, 5314..5385, 5351..5389, 5354..5413, 5378..5530, 5390..5536, 5391..5537, 5482..5538, 5533..5571, 5536..5583, 5537..5584		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o3.gs	Method	GENSCAN
Start	10467	End	11388
GI	none	Score	.94
Exons	10467..11258, 11353..11388		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o2.np	Method	AAT/NAP
Start	10477	End	11278
GI	4558558	Score	810
Exons	10477..11278		
GI Descrip.	(AC007138) putative polygalacturonidase [Arabidopsis thaliana]		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	10500	End	11258
GI	none	Score	329
Exons	10500..10580, 10611..10676, 10692..11258, 10723..11232		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	10501	End	10727
GI	none	Score	310
Exons	10501..10725, 10503..10727		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	10602	End	11259

GI	none	Score	332
Exons	10602..10676, 10683..11258, 10720..11259		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	10728	End	11061
GI	none	Score	255
Exons	10728..10982, 10729..10983, 10980..11060, 10981..11061		

Seq. No.	3768	Seq. ID	OJ990422_23.9819.C4
Gene No.	7994	Strand	-
Start	10467	End	11388
Name	OJ990422_23.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	11064	End	11255
GI	none	Score	183
Exons	11064..11255, 11080..11253		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7995	Strand	+
Start	121	End	198
Name	OJ990422_23.9819.C6.o1.gp	Method	AAT/GAP
Start	121	End	198
GI	none	Score	118
Exons	121..198		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7996	Strand	+
Start	14291	End	17308
Name	OJ990422_23.9819.C6.o2.gs	Method	GENSCAN
Start	14291	End	17089
GI	none	Score	.62
Exons	14291..14565, 14890..15089, 15095..15199, 16283..16428, 16516..16608, 16919..17089		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7996	Strand	+
Start	14291	End	17308
Name	OJ990422_23.9819.C6.o3.gp	Method	AAT/GAP
Start	14746	End	16578
GI	none	Score	1038
Exons	14746..15054, 16240..16428, 16516..16578		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7996	Strand	+
Start	14291	End	17308
Name	OJ990422_23.9819.C6.o3.np	Method	AAT/NAP
Start	16318	End	17308
GI	1076641	Score	384
Exons	16318..16428, 16513..16608, 16786..16845, 16919..17308		
GI Descrip.	tau-protein kinase (EC 2.7.1.135) homolog - common tobacco gi|456356|emb|CAA54803| (X77763) shaggy like protein kinase [Nicotiana tabacum] gi|1094395|prf||2106142A Ser/Thr protein kinase [Nicotiana tabacum]		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6

Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o1.gs	Method	GENSCAN
Start	1829	End	13237
GI	none	Score	.73
Exons	1829..2032, 2114..2293, 2339..2605, 2755..2913, 3935..4078, 5425..5640, 7542..7630, 7931..8054, 8880..9023, 9903..9968, 10261..10305, 10433..10581, 11912..12088, 12292..12957, 13189..13237		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o1.np	Method	AAT/NAP
Start	6246	End	11822
GI	2583127	Score	731
Exons	6246..6274, 6422..6533, 7542..7630, 7931..8045, 8135..8218, 8293..8326, 8938..9042, 9168..9452, 9872..9968, 10072..10166, 10417..10663, 11756..11822		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	6381	End	6537
GI	none	Score	211
Exons	6381..6536, 6382..6537		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o2.gp	Method	AAT/GAP
Start	6620	End	7136
GI	uC-osflcyp071d01b1	Score	980
Exons	6620..7136		
GI Descrip.	'2583127 6.0e-10 (AC002387) putative sialoglycoprotease [Arabidopsis thaliana]'		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o2.np	Method	AAT/NAP
Start	11784	End	16132
GI	6730642	Score	367
Exons	11784..12088, 12292..13004, 16080..16132		
GI Descrip.	(AC008262) F4N2.23 [Arabidopsis thaliana]		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	11805	End	12090
GI	none	Score	104
Exons	11805..11978, 11955..12089, 11986..12090		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	12009	End	12892
GI	none	Score	121
Exons	12009..12089, 12293..12328, 12347..12520, 12545..12688, 12704..12892		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	12036	End	12862
GI	none	Score	152
Exons	12036..12089, 12293..12862, 12294..12530		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	12288	End	12688
GI	none	Score	163
Exons	12288..12686, 12290..12688		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7997	Strand	-
Start	1829	End	16132
Name	OJ990422_23.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	12293	End	12688
GI	none	Score	256
Exons	12293..12688		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7998	Strand	
Start	16254	End	17095
Name	OJ990422_23.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	16254	End	17095
GI	none	Score	76
Exons	16254..16343, 16334..16420, 16360..16428, 16512..16607, 16513..16617, 16782..16844, 16783..16845, 16783..16845, 16916..17095, 16918..17082		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7998	Strand	
Start	16254	End	17095
Name	OJ990422_23.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	16318	End	17083
GI	none	Score	42
Exons	16318..16368, 16372..16425, 16513..16617, 16515..16607, 16782..16844, 16783..16845, 16912..17082, 16916..17083, 16918..17082		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7998	Strand	
Start	16254	End	17095
Name	OJ990422_23.9819.C6.o2.tc	Method	TBLASTX:Cress

Start	16513	End	17094
GI	none	Score	97
Exons	16513..16617, 16515..16607, 16782..16844, 16783..16845, 16911..17081, 16916..17083, 16918..17094		

Seq. No.	3769	Seq. ID	OJ990422_23.9819.C6
Gene No.	7998	Strand	
Start	16254	End	17095
Name	OJ990422_23.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	16522	End	17083
GI	none	Score	70
Exons	16522..16617, 16783..16845, 16785..16847, 16785..16844, 16916..17083, 16918..17082		

Seq. No.	3770	Seq. ID	OJ990422_23.9819.C7
Gene No.	7999	Strand	+
Start	606	End	4161
Name	OJ990422_23.9819.C7.o1.gs	Method	GENSCAN
Start	606	End	4161
GI	none	Score	.64
Exons	606..1802, 2158..2261, 3435..4161		

Seq. No.	3770	Seq. ID	OJ990422_23.9819.C7
Gene No.	7999	Strand	+
Start	606	End	4161
Name	OJ990422_23.9819.C7.o1.np	Method	AAT/NAP
Start	3216	End	4148
GI	6498423	Score	156
Exons	3216..3450, 3635..3936, 4006..4148		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	3770	Seq. ID	OJ990422_23.9819.C7
Gene No.	8000	Strand	-
Start	5452	End	6616
Name	OJ990422_23.9819.C7.o2.gs	Method	GENSCAN
Start	5452	End	6616
GI	none	Score	.59
Exons	5452..5571, 6042..6212, 6542..6616		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o2.np	Method	AAT/NAP
Start	1	End	4795
GI	4455041	Score	112
Exons	1..169, 397..474, 1038..1275, 1337..2671, 4763..4795		
GI Descrip.	(AF116463) unknown [Streptomyces lincolnensis]		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.np	Method	AAT/NAP
Start	975	End	3941
GI	4539301	Score	715
Exons	975..1910, 1981..2367, 3917..3941		
GI Descrip.	(AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.gs	Method	GENSCAN
Start	988	End	4196
GI	none	Score	.68
Exons	988..1927, 2002..2171, 2191..2758, 3634..3761, 3911..4075, 4087..4196		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	1129	End	1366
GI	none	Score	115
Exons	1129..1365, 1199..1366		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	1198	End	1483
GI	none	Score	124
Exons	1198..1482, 1271..1483		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	1198	End	2265
GI	none	Score	225
Exons	1198..1482, 1199..1486, 1558..1923, 1565..1612, 1703..1909, 2013..2150, 2194..2265		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	1264	End	1486
GI	none	Score	128
Exons	1264..1482, 1301..1486		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	1366	End	1921
GI	none	Score	155
Exons	1366..1482, 1367..1486, 1558..1914, 1559..1612, 1700..1891, 1718..1921, 1744..1908		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o1.gp	Method	AAT/GAP
Start	1493	End	1938
GI	1631968	Score	749

Exons	1493..1938		
GI Descrip.	4539301/emb|CAB39604.1| 1.0e-31 (AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	1690	End	1887
GI	none	Score	55
Exons	1690..1752, 1700..1750, 1753..1887, 1760..1885		

Seq. No.	3771	Seq. ID	OJ990422_23.9819.C8
Gene No.	8001	Strand	-
Start	1	End	4795
Name	OJ990422_23.9819.C8.o2.gp	Method	AAT/GAP
Start	2330	End	2707
GI	427736	Score	747
Exons	2330..2707		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o1.gs	Method	GENSCAN
Start	361	End	9626
GI	none	Score	.47
Exons	361..485, 723..1024, 1441..1565, 1729..2338, 3303..3423, 4097..4208, 4509..4697, 5581..5776, 5915..6066, 6157..6315, 6387..6756, 9439..9626		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o1.np	Method	AAT/NAP
Start	715	End	13506
GI	6069653	Score	839
Exons	715..2672, 13401..13506		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o4.tm	Method	TBLASTX:Maize
Start	5680	End	6758
GI	none	Score	75
Exons	5680..5781, 5713..5775, 5891..6067, 5917..6066, 6157..6318, 6387..6428, 6537..6584, 6633..6758		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	6151	End	9590
GI	none	Score	99
Exons	6151..6318, 6387..6422, 6498..6587, 6633..6827, 9489..9590		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10

Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o1.gp	Method	AAT/GAP
Start	13088	End	13403
GI	none	Score	568
Exons	13088..13403		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o5.tm	Method	TBLASTX:Maize
Start	13147	End	13412
GI	none	Score	55
Exons	13147..13194, 13150..13191, 13275..13412, 13275..13400		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o3.gs	Method	GENSCAN
Start	13260	End	15323
GI	none	Score	.96
Exons	13260..13888, 13964..15323		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o2.np	Method	AAT/NAP
Start	13287	End	15358
GI	6573772	Score	864
Exons	13287..13888, 13964..14796, 15013..15097, 15128..15358		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	13296	End	15323
GI	none	Score	98
Exons	13296..13400, 13491..13571, 13671..13757, 13753..13890, 13764..13889, 13962..14087, 13962..14219, 13963..14136, 14409..14552, 14544..14684, 14562..14657, 14665..14739, 14703..14765, 14796..15086, 14797..14832, 14890..15084, 15150..15323, 15157..15321		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	13458	End	14219
GI	none	Score	64
Exons	13458..13556, 13462..13557, 13677..13757, 13756..13890, 13764..13889, 13962..14051, 13963..14037, 14037..14219		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o1.tm	Method	TBLASTX:Maize

Start	13500	End	14094
GI	none	Score	136
Exons	13500..13625, 13501..13626, 13617..13889, 13635..13685, 13732..13890, 13818..13892, 13962..14087, 13962..14093, 13963..14094		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	14097	End	15021
GI	none	Score	73
Exons	14097..14354, 14415..14549, 14544..14672, 14563..14670, 14703..14795, 14793..15020, 14890..15021		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	14271	End	15231
GI	none	Score	34
Exons	14271..14393, 14454..14549, 14467..14493, 14544..14684, 14563..14667, 14703..14765, 14784..15095, 14788..15096, 15138..15227, 15139..15231		

Seq. No.	3772	Seq. ID	OJ990422_23.9819.C10
Gene No.	8002	Strand	-
Start	361	End	15358
Name	OJ990422_23.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	15033	End	15252
GI	none	Score	81
Exons	15033..15095, 15034..15096, 15141..15194, 15141..15251, 15142..15252		

Seq. No.	3773	Seq. ID	OJ990422_23.9819.C13
Gene No.	8003	Strand	-
Start	873	End	1370
Name	OJ990422_23.9819.C13.o1.gs	Method	GENSCAN
Start	873	End	1370
GI	none	Score	.93
Exons	873..904, 966..1202, 1265..1370		

Seq. No.	3774	Seq. ID	OJ990422_23.9819.C14
Gene No.	8004	Strand	+
Start	1	End	806
Name	OJ990422_23.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	806
GI	106322	Score	489
Exons	1..52, 117..806		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8005	Strand	+
Start	951	End	1555
Name	OJ990422_23.9819.C15.o1.gp	Method	AAT/GAP
Start	951	End	1555
GI	37034_1.R1084	Score	1187

Exons	951..1555		
GI Descrip.	'3236114/emb|AJ224163|NTAJ4163 1.0e-10 Nicotiana tabacum mRNA for shaggy-like kinase'		
Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	1365	End	3430
GI	none	Score	63
Exons	1365..1463, 1565..1657, 1566..1661, 1567..1665, 1734..1847, 1746..1847, 1750..1848, 1751..1849, 1933..2028, 1936..2025, 2124..2240, 2128..2223, 2128..2250, 2299..2370, 2310..2366, 2312..2374, 2313..2387, 2315..2404, 2445..2585, 2445..2585, 2446..2592, 2449..2586, 2699..2740, 2700..2759, 2701..2760, 2709..2759, 2872..2952, 2872..2955, 2873..2953, 3048..3326, 3051..3278, 3055..3324, 3055..3330, 3395..3424, 3397..3429, 3398..3430		
Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	1567	End	3433
GI	none	Score	108
Exons	1567..1662, 1579..1629, 1584..1661, 1734..1832, 1752..1832, 1753..1845, 1754..1864, 1936..2028, 1937..2020, 1942..2025, 2124..2240, 2128..2229, 2310..2372, 2312..2374, 2313..2390, 2445..2585, 2446..2586, 2470..2610, 2700..2756, 2701..2760, 2709..2759, 2872..2955, 3048..3326, 3051..3278, 3052..3324, 3395..3433, 3398..3430		
Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	1578	End	3433
GI	none	Score	89
Exons	1578..1661, 1579..1662, 1750..1857, 1751..1846, 1933..2028, 1946..2020, 2124..2240, 2128..2223, 2312..2374, 2313..2387, 2445..2585, 2446..2586, 2458..2592, 2701..2760, 2709..2759, 2872..2955, 2873..2953, 3048..3326, 3050..3337, 3051..3275, 3118..3324, 3398..3433		
Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o1.np	Method	AAT/NAP
Start	1581	End	3467
GI	2191169	Score	1277
Exons	1581..1668, 1730..1848, 1936..2019, 2127..2222, 2315..2365, 2445..2585, 2646..2759, 2875..2949, 3051..3323, 3397..3467		
GI Descrip.	(AF007270) Similar to shaggy related protein kinase. Belongs to the CDC2/CDKX subfamily [Arabidopsis thaliana]		
Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-

Start	1581	End	3467
Name	OJ990422_23.9819.C15.o1.gs	Method	GENSCAN
Start	1746	End	3462
GI	none	Score	.94
Exons	1746..1848, 1936..2019, 2127..2222, 2315..2365, 2445..2585, 2703..2759, 2875..2949, 3051..3323, 3397..3462		

Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	1753	End	2240
GI	none	Score	100
Exons	1753..1848, 1754..1831, 1918..2028, 1939..2025, 2124..2240, 2125..2223, 2127..2228		

Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o3.gp	Method	AAT/GAP
Start	2906	End	3467
GI	36453_1.R1084	Score	620
Exons	2906..2949, 3051..3323, 3397..3467		
GI Descrip.	'1709128/sp|P51138|MSK2_MEDSA 3.0e-58 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-2 >gi_481019_pir__S37643 protein kinase MSK-2 (EC 2.7.1.-) - alfalfa >gi_313146_emb_CAA48473_ (X68410) protein kinase [Medicago sativa]'		

Seq. No.	3775	Seq. ID	OJ990422_23.9819.C15
Gene No.	8006	Strand	-
Start	1581	End	3467
Name	OJ990422_23.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	3048	End	3430
GI	none	Score	112
Exons	3048..3326, 3051..3278, 3055..3324, 3055..3330, 3395..3421, 3396..3419, 3397..3429, 3398..3430		

Seq. No.	3776	Seq. ID	OJ990422_23.9819.C16
Gene No.	8007	Strand	-
Start	908	End	1774
Name	OJ990422_23.9819.C16.o1.np	Method	AAT/NAP
Start	886	End	1774
GI	6069646	Score	541
Exons	886..1470, 1753..1774		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	3776	Seq. ID	OJ990422_23.9819.C16
Gene No.	8007	Strand	-
Start	908	End	1774
Name	OJ990422_23.9819.C16.o1.gs	Method	GENSCAN
Start	908	End	1532
GI	none	Score	.82
Exons	908..1074, 1161..1267, 1297..1532		

Seq. No.	3776	Seq. ID	OJ990422_23.9819.C16
Gene No.	8007	Strand	-
Start	908	End	1774
Name	OJ990422_23.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	1096	End	1384
GI	none	Score	82
Exons	1096..1245, 1253..1384		

Seq. No.	3777	Seq. ID	OJ990422_23.9819.C17
Gene No.	8008	Strand	-
Start	581	End	1121
Name	OJ990422_23.9819.C17.o1.gs	Method	GENSCAN
Start	581	End	1121
GI	none	Score	.51
Exons	581..705, 989..1121		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8009	Strand	+
Start	1321	End	2051
Name	OJ990422_23.9819.C18.o1.gs	Method	GENSCAN
Start	1321	End	2051
GI	none	Score	.41
Exons	1321..1357, 1948..2051		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8010	Strand	+
Start	5511	End	10966
Name	OJ990422_23.9819.C18.o1.np	Method	AAT/NAP
Start	5511	End	10966
GI	6498441	Score	7114
Exons	5511..6575, 6906..7369, 7433..7806, 7990..8124, 8299..9022, 9194..10591, 10685..10966		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o6.tw	Method	TBLASTX:Wheat
Start	5663	End	6052
GI	none	Score	54
Exons	5663..5707, 5714..5812, 5731..5811, 5779..6018, 5795..6052		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	5702	End	5941
GI	none	Score	191
Exons	5702..5941, 5704..5940		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o3.tw	Method	TBLASTX:Wheat

Start	6790	End	7276
GI	none	Score	382
Exons	6790..6963, 6791..7276, 6985..7245		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	7440	End	7903
GI	none	Score	201
Exons	7440..7883, 7441..7896, 7442..7903, 7442..7897		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	7481	End	7846
GI	none	Score	121
Exons	7481..7705, 7712..7846		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	7571	End	7927
GI	none	Score	374
Exons	7571..7927, 7606..7917, 7811..7927		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	7954	End	8338
GI	none	Score	363
Exons	7954..8319, 7955..8338		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	8011	End	8431
GI	none	Score	499
Exons	8011..8406, 8012..8431		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	8090	End	8461
GI	none	Score	284
Exons	8090..8461, 8107..8250		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o5.tw	Method	TBLASTX:Wheat
Start	8870	End	9328

GI	none	Score	228
Exons	8870..9091, 8894..9118, 8959..9135, 9179..9328, 9190..9327		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	9017	End	9583
GI	5666795	Score	64
Exons	9017..9115, 9191..9328, 9383..9583		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o8.tw	Method	TBLASTX:Wheat
Start	9331	End	9643
GI	none	Score	192
Exons	9331..9507, 9383..9643		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	9836	End	10168
GI	none	Score	371
Exons	9836..10159, 9865..10146, 9956..10168		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o4.tw	Method	TBLASTX:Wheat
Start	9973	End	10354
GI	none	Score	368
Exons	9973..10323, 9974..10354		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o7.tw	Method	TBLASTX:Wheat
Start	10355	End	10957
GI	none	Score	264
Exons	10355..10657, 10360..10638, 10831..10953, 10832..10957		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	10826	End	10969
GI	none	Score	184
Exons	10826..10969, 10831..10965		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o3.gs	Method	GENSCAN
Start	11592	End	15279

GI	none	Score	.48
Exons	11592..11926, 12054..12774, 12834..13424, 13601..13767, 13795..13989, 14245..14605, 14744..14879, 15050..15165, 15220..15279		

Seq. No.	3778	Seq. ID	OJ990422_23.9819.C18
Gene No.	8011	Strand	-
Start	11592	End	15279
Name	OJ990422_23.9819.C18.o2.np	Method	AAT/NAP
Start	11595	End	14860
GI	6907089	Score	4175
Exons	11595..13470, 13574..13614, 13640..14860		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o1.np	Method	AAT/NAP
Start	127	End	4033
GI	1091678	Score	1555
Exons	127..200, 697..1118, 1173..2711, 2766..2880, 3151..3289, 3926..4033		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o1.gs	Method	GENSCAN
Start	285	End	4199
GI	none	Score	.7
Exons	285..500, 581..657, 759..2810, 3320..3443, 3767..3808, 4128..4199		

Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	760	End	985
GI	none	Score	95
Exons	760..975, 779..985		

Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	764	End	2239
GI	none	Score	182
Exons	764..979, 769..978, 1002..1070, 1186..1926, 1291..1458, 1301..1927, 1761..1931, 1761..1931, 1939..2190, 1987..2190, 2192..2239		

Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o2.np	Method	AAT/NAP
Start	906	End	3528
GI	6063557	Score	122

Exons	906..972, 3313..3528		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	1274	End	1929
GI	none	Score	70
Exons	1274..1432, 1276..1614, 1642..1929		
Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	1923
GI	none	Score	47
Exons	1633..1779, 1642..1923, 1852..1905		
Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	1978	End	2409
GI	none	Score	38
Exons	1978..2385, 2105..2227, 2285..2392, 2320..2409		
Seq. No.	3779	Seq. ID	OJ990422_23.9819.C19
Gene No.	8012	Strand	-
Start	127	End	4199
Name	OJ990422_23.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	2241	End	2439
GI	none	Score	81
Exons	2241..2426, 2257..2439, 2259..2426, 2279..2428		
Seq. No.	3780	Seq. ID	OJ990402_23.9819.C1
Gene No.	8013	Strand	+
Start	1290	End	1551
Name	OJ990402_23.9819.C1.o1.gs	Method	GENSCAN
Start	1290	End	1551
GI	none	Score	.75
Exons	1290..1430, 1471..1551		
Seq. No.	3781	Seq. ID	OJ990402_23.9819.C2
Gene No.	8014	Strand	+
Start	105	End	1430
Name	OJ990402_23.9819.C2.o1.gs	Method	GENSCAN
Start	105	End	1419
GI	none	Score	.79
Exons	105..240, 962..1102, 1192..1419		
Seq. No.	3781	Seq. ID	OJ990402_23.9819.C2
Gene No.	8014	Strand	+
Start	105	End	1430
Name	OJ990402_23.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	1243	End	1430
GI	none	Score	96

Exons 1243..1428, 1243..1293, 1244..1429, 1281..1430

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8015	Strand	+
Start	113	End	2706
Name	OJ990402_23.9819.C3.o1.gs	Method	GENSCAN
Start	113	End	2587
GI	none	Score	.44
Exons	113..857, 2319..2587		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8015	Strand	+
Start	113	End	2706
Name	OJ990402_23.9819.C3.o1.np	Method	AAT/NAP
Start	170	End	2396
GI	3212863	Score	1111
Exons	170..857, 942..1038, 1155..1209, 2319..2396		
GI Descrip.	(AC004005) putative translation initiation factor eIF-2B delta subunit [Arabidopsis thaliana]		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8015	Strand	+
Start	113	End	2706
Name	OJ990402_23.9819.C3.o1.gp	Method	AAT/GAP
Start	2318	End	2706
GI	1041241	Score	736
Exons	2318..2706		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8016	Strand	-
Start	3255	End	6125
Name	OJ990402_23.9819.C3.o2.gp	Method	AAT/GAP
Start	3186	End	3654
GI	LIB3433-059-P1-K1-E3	Score	888
Exons	3186..3654		
GI Descrip.	'2982328 2.0e-63 (AF051249) pyruvate dehydrogenase E1 beta subunit [Picea mariana]'		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8016	Strand	-
Start	3255	End	6125
Name	OJ990402_23.9819.C3.o2.gs	Method	GENSCAN
Start	3255	End	5955
GI	none	Score	.65
Exons	3255..4227, 5735..5771, 5862..5955		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8016	Strand	-
Start	3255	End	6125
Name	OJ990402_23.9819.C3.o2.np	Method	AAT/NAP
Start	3258	End	4228
GI	2454184	Score	1485
Exons	3258..4228		
GI Descrip.	(U80186) pyruvate dehydrogenase E1 beta subunit [Arabidopsis thaliana]		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3

Gene No.	8016	Strand	-
Start	3255	End	6125
Name	OJ990402_23.9819.C3.o3.gp	Method	AAT/GAP
Start	4168	End	6125
GI	uC-osroM202006f03b1	Score	816
Exons	4168..4227, 5512..5558, 5683..5771, 5862..6125		
GI Descrip.	'1076486/pir||S48032 2.0e-10 cim1 protein - soybean >gi_555616 (U03860) cytokinin induced message [Glycine max]'		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	101	End	352
GI	none	Score	343
Exons	101..352, 112..351		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	284	End	828
GI	none	Score	784
Exons	284..826, 286..828		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	353	End	2534
GI	none	Score	579
Exons	353..856, 354..857, 355..858, 356..859, 940..981, 941..982, 944..982, 984..1040, 985..1032, 988..1044, 989..1042, 1142..1207, 1156..1302, 1156..1209, 2318..2380, 2319..2396, 2487..2534		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	3216	End	3488
GI	none	Score	46
Exons	3216..3308, 3228..3488, 3256..3486, 3360..3488		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	3228	End	4259
GI	none	Score	611
Exons	3228..4106, 3247..3858, 3375..4037, 3901..4038, 4029..4259, 4030..4122, 4041..4214, 4153..4224		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o1.tm	Method	TBLASTX:Maize

Start	3252	End	4064
GI	none	Score	1092
Exons	3252..4046, 3253..4050, 3360..4064, 3886..4062		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	3255	End	4226
GI	none	Score	47
Exons	3255..3308, 3255..3860, 3256..4122, 3363..4214, 3895..4206, 3903..4226, 4153..4224		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	4065	End	4226
GI	none	Score	167
Exons	4065..4226, 4065..4226		

Seq. No.	3782	Seq. ID	OJ990402_23.9819.C3
Gene No.	8017	Strand	-
Start	7464	End	7773
Name	OJ990402_23.9819.C3.o3.gs	Method	GENSCAN
Start	7464	End	7773
GI	none	Score	.93
Exons	7464..7634, 7653..7773		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8018	Strand	-
Start	219	End	529
Name	OJ990402_23.9819.C4.o1.gs	Method	GENSCAN
Start	219	End	529
GI	none	Score	.91
Exons	219..338, 403..529		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o1.gp	Method	AAT/GAP
Start	2159	End	2789
GI	3762899	Score	1113
Exons	2159..2789		
GI Descrip.	1076486/pir||S48032 2.0e-10 cim1 protein - soybean >gi_555616 (U03860) cytokinin induced message [Glycine max]		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o2.gs	Method	GENSCAN
Start	2351	End	4294
GI	none	Score	.79
Exons	2351..2789, 2979..3199, 3287..3399, 3503..3616, 4288..4294		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-

Start	2351	End	4294
Name	OJ990402_23.9819.C4.o1.np	Method	AAT/NAP
Start	2456	End	3700
GI	1076486	Score	548
Exons	2456..2789, 2979..3105, 3136..3199, 3287..3399, 3503..3700		
GI Descrip.	cim1 protein - soybean gi|555616 (U03860) cytokinin induced message [Glycine max]		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2469	End	3681
GI	none	Score	106
Exons	2469..2576, 2477..2578, 2487..2579, 2582..2644, 2583..2636, 2645..2788, 2978..3094, 2983..3075, 2997..3095, 3104..3205, 3105..3200, 3284..3400, 3285..3404, 3285..3401, 3501..3560, 3502..3567, 3586..3681, 3647..3661		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	2474	End	3076
GI	none	Score	93
Exons	2474..2644, 2477..2644, 2493..2645, 2645..2788, 2978..3076		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	2477	End	3564
GI	none	Score	79
Exons	2477..2551, 2490..2552, 2510..2644, 2562..2660, 2590..2649, 2666..2788, 2978..3076, 3003..3077, 3128..3205, 3129..3200, 3284..3400, 3285..3404, 3501..3563, 3502..3564		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o2.gp	Method	AAT/GAP
Start	2987	End	3714
GI	24124_1.R1084	Score	989
Exons	2987..3199, 3287..3399, 3503..3714		
GI Descrip.	'1076486/pir||S48032 1.0e-12 cim1 protein - soybean >gi_555616 (U03860) cytokinin induced message [Glycine max]'		

Seq. No.	3783	Seq. ID	OJ990402_23.9819.C4
Gene No.	8019	Strand	-
Start	2351	End	4294
Name	OJ990402_23.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	3128	End	3576
GI	none	Score	52
Exons	3128..3205, 3284..3400, 3285..3404, 3501..3575, 3502..3576		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8020	Strand	+

Start	24609	End	24722
Name	OJ990402_23.9819.C5.o4.np	Method	AAT/NAP
Start	24609	End	24722
GI	6815099	Score	69
Exons	24609..24722		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8021	Strand	+
Start	28922	End	30311
Name	OJ990402_23.9819.C5.o5.gs	Method	GENSCAN
Start	28922	End	30311
GI	none	Score	.97
Exons	28922..29041, 29421..30311		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8022	Strand	+
Start	30896	End	43662
Name	OJ990402_23.9819.C5.o6.gs	Method	GENSCAN
Start	30896	End	43492
GI	none	Score	.47
Exons	30896..30997, 31822..31878, 32024..32189, 32246..32424, 32996..34082, 34170..34261, 34844..35823, 36398..36560, 38969..39136, 39538..39960, 41912..41971, 42596..42782, 43268..43492		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8022	Strand	+
Start	30896	End	43662
Name	OJ990402_23.9819.C5.o5.np	Method	AAT/NAP
Start	33017	End	37386
GI	2586082	Score	4444
Exons	33017..35696, 35730..37386		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8022	Strand	+
Start	30896	End	43662
Name	OJ990402_23.9819.C5.o7.np	Method	AAT/NAP
Start	41740	End	43662
GI	1769901	Score	273
Exons	41740..41781, 42728..42782, 43268..43662		
GI Descrip.	(X95737) proline transporter 1 [Arabidopsis thaliana] gi|2088642|gb|AAB95274.1| (AF002109) proline transporter 1 [Arabidopsis thaliana]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8023	Strand	-
Start	18	End	16032
Name	OJ990402_23.9819.C5.o1.gs	Method	GENSCAN
Start	18	End	16032
GI	none	Score	.66
Exons	18..252, 432..648, 760..835, 1065..1161, 4071..4118, 4207..4306, 4500..4645, 5380..5561, 6176..6347, 6542..8551, 9482..10348, 10526..10573, 10662..10891, 11265..12038, 12114..12394, 12973..13229, 13668..13833, 13911..14015, 14055..14130, 15991..16032		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8023	Strand	-
Start	18	End	16032
Name	OJ990402_23.9819.C5.o1.gp	Method	AAT/GAP
Start	432	End	649
GI	4880250	Score	227
Exons	432..490, 572..649		
GI Descrip.	1076486/pir||S48032 1.0e-12 cim1 protein - soybean >gi_555616 (U03860) cytokinin induced message [Glycine max]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8023	Strand	-
Start	18	End	16032
Name	OJ990402_23.9819.C5.o1.np	Method	AAT/NAP
Start	4761	End	6256
GI	5922623	Score	230
Exons	4761..4976, 5379..5455, 5623..5777, 6172..6256		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8023	Strand	-
Start	18	End	16032
Name	OJ990402_23.9819.C5.o2.np	Method	AAT/NAP
Start	6541	End	10332
GI	6539553	Score	6393
Exons	6541..10332		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8023	Strand	-
Start	18	End	16032
Name	OJ990402_23.9819.C5.o3.np	Method	AAT/NAP
Start	11258	End	13378
GI	4512674	Score	562
Exons	11258..12038, 12114..12346, 12973..13378		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8024	Strand	-
Start	21344	End	23757
Name	OJ990402_23.9819.C5.o3.gs	Method	GENSCAN
Start	21344	End	23757
GI	none	Score	.62
Exons	21344..21465, 23643..23757		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8025	Strand	-
Start	25305	End	27223
Name	OJ990402_23.9819.C5.o4.gs	Method	GENSCAN
Start	25305	End	27223
GI	none	Score	.62

Exons	25305..25372, 26520..26610, 27182..27223		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	6677	End	37131
GI	none	Score	356
Exons	6677..7063, 6715..7062, 7078..7152, 7082..7153, 36916..37131		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	6790	End	37335
GI	none	Score	530
Exons	6790..7014, 7033..7164, 36739..37335, 36741..36890, 36933..37091, 36937..37104, 37156..37326, 37158..37328		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o4.tc	Method	TBLASTX:Cress
Start	6814	End	37347
GI	none	Score	114
Exons	6814..6933, 7033..7161, 36718..36921, 36931..37002, 37012..37155, 37168..37347		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	6901	End	37329
GI	none	Score	143
Exons	6901..7017, 36906..37025, 36907..37032, 37041..37091, 37042..37329, 37144..37314		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o7.tm	Method	TBLASTX:Maize
Start	7021	End	36894
GI	none	Score	204
Exons	7021..7347, 7022..7348, 36724..36894		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	7168	End	36717
GI	none	Score	124
Exons	7168..7503, 7304..7504, 36405..36575, 36574..36717		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o3.tw	Method	TBLASTX:Wheat

Start	7357	End	36566
GI	none	Score	48
Exons	7357..7563, 7367..7489, 7558..7902, 7582..7755, 36014..36100, 36015..36101, 36118..36360, 36169..36366, 36402..36566		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	7438	End	36476
GI	none	Score	55
Exons	7438..7902, 7541..7651, 7585..7767, 7721..7903, 36015..36101, 36052..36375, 36426..36476		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	7573	End	36351
GI	5509260	Score	58
Exons	7573..8037, 7592..7651, 7724..7819, 35856..36101, 35984..36100, 36121..36351, 36174..36221, 36285..36350		
GI Descrip.	-		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o3.tc	Method	TBLASTX:Cress
Start	7684	End	36234
GI	none	Score	169
Exons	7684..7944, 35963..36100, 35964..36101, 36109..36234, 36157..36228		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	7957	End	35233
GI	none	Score	192
Exons	7957..8196, 7958..8116, 7974..8204, 7977..8174, 8225..8680, 8248..8679, 8681..8710, 34826..34981, 34997..35173, 35168..35233		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	8338	End	35239
GI	none	Score	354
Exons	8338..8532, 8545..8676, 34771..34950, 34775..35239		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o8.tm	Method	TBLASTX:Maize
Start	8344	End	35209
GI	none	Score	58
Exons	8344..8526, 8539..8757, 34784..34873, 34895..35209		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o5.ts	Method	TBLASTX:Soybean
Start	8362	End	35221
GI	none	Score	38
Exons	8362..8535, 8489..8527, 8536..8676, 8582..8674, 8681..8758, 8712..8750, 34802..35221		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	8711	End	34771
GI	none	Score	181
Exons	8711..8902, 8711..8902, 34625..34771		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o6.ts	Method	TBLASTX:Soybean
Start	8762	End	34789
GI	none	Score	62
Exons	8762..9148, 34382..34465, 34478..34585, 34589..34789		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	9181	End	9484
GI	none	Score	395
Exons	9181..9348, 9182..9484, 9183..9476		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	9890	End	10201
GI	none	Score	290
Exons	9890..10195, 9892..10197, 9893..10201		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	9952	End	10338
GI	none	Score	241
Exons	9952..10338, 9953..10327		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o10.tm	Method	TBLASTX:Maize
Start	11469	End	12296
GI	none	Score	35
Exons	11469..11624, 11508..11621, 11526..11612, 11642..11683,		

11667..11708, 11709..12059, 11736..12041, 11745..11924,
11778..11921, 11779..12036, 11803..12051, 11817..11999,
11832..12008, 11862..12047, 11889..12038, 12000..12041,
12111..12269, 12111..12203, 12111..12203, 12111..12191,
12114..12269, 12150..12296

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o5.tc	Method	TBLASTX:Cress
Start	11505	End	12281
GI	none	Score	71
Exons	11505..11618, 11526..11621, 11736..11999, 11745..12038, 11776..11997, 12105..12203, 12111..12281, 12111..12269, 12111..12191, 12111..12206, 12115..12198		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o7.ts	Method	TBLASTX:Soybean
Start	11526	End	12329
GI	none	Score	68
Exons	11526..11726, 11526..11618, 11670..11732, 11742..12038, 11745..12041, 11745..11864, 11745..12038, 11745..12041, 11881..12039, 12105..12296, 12105..12203, 12111..12329, 12111..12281, 12111..12206		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	33095	End	33532
GI	none	Score	117
Exons	33095..33235, 33112..33228, 33227..33532, 33265..33510, 33266..33532		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	33335	End	33661
GI	none	Score	190
Exons	33335..33661		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	33940	End	34288
GI	none	Score	430
Exons	33940..34167, 33941..34288, 33956..34285		

Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o9.tm	Method	TBLASTX:Maize
Start	33998	End	34300

GI	none	Score	244
Exons	33998..34300, 33998..34267		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	36580	End	36915
GI	none	Score	357
Exons	36580..36915, 36600..36914		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8026	Strand	-
Start	37804	End	37908
Name	OJ990402_23.9819.C5.o6.np	Method	AAT/NAP
Start	37804	End	37908
GI	5777617	Score	70
Exons	37804..37908		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8027	Strand	
Start	43243	End	43506
Name	OJ990402_23.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	43243	End	43506
GI	none	Score	332
Exons	43243..43506, 43278..43505		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8027	Strand	
Start	43243	End	43506
Name	OJ990402_23.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	43264	End	43506
GI	none	Score	318
Exons	43264..43506, 43273..43494, 43278..43499		
Seq. No.	3784	Seq. ID	OJ990402_23.9819.C5
Gene No.	8027	Strand	
Start	43243	End	43506
Name	OJ990402_23.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	43267	End	43494
GI	none	Score	385
Exons	43267..43494, 43269..43493		
Seq. No.	3785	Seq. ID	OJ990402_23.9819.C6
Gene No.	8028	Strand	-
Start	34	End	374
Name	OJ990402_23.9819.C6.o1.gs	Method	GENSCAN
Start	34	End	374
GI	none	Score	.61
Exons	34..146, 159..374		
Seq. No.	3786	Seq. ID	OJ990402_23.9819.C7
Gene No.	8029	Strand	-
Start	672	End	1443
Name	OJ990402_23.9819.C7.o1.gs	Method	GENSCAN
Start	672	End	1443

GI	none	Score	.73
Exons	672..777, 1168..1443		

Seq. No.	3787	Seq. ID	OJ990402_23.9819.C9
Gene No.	8030	Strand	+
Start	183	End	680
Name	OJ990402_23.9819.C9.o1.gs	Method	GENSCAN
Start	183	End	680
GI	none	Score	.83
Exons	183..493, 667..680		

Seq. No.	3788	Seq. ID	OJ990402_23.9819.C10
Gene No.	8031	Strand	-
Start	396	End	2418
Name	OJ990402_23.9819.C10.o1.gs	Method	GENSCAN
Start	396	End	2046
GI	none	Score	.7
Exons	396..454, 630..674, 939..1021, 1111..1252, 1925..2046		

Seq. No.	3788	Seq. ID	OJ990402_23.9819.C10
Gene No.	8031	Strand	-
Start	396	End	2418
Name	OJ990402_23.9819.C10.o1.np	Method	AAT/NAP
Start	559	End	2418
GI	6498436	Score	367
Exons	559..674, 939..1252, 2383..2418		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8032	Strand	+
Start	1	End	2683
Name	OJ990402_23.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	1769901	Score	1115
Exons	1..21, 263..382, 578..767, 878..1002, 1080..1295, 1435..1812		
GI Descrip.	(X95737) proline transporter 1 [Arabidopsis thaliana] gi|2088642|gb|AAB95274.1| (AF002109) proline transporter 1 [Arabidopsis thaliana]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8032	Strand	+
Start	1	End	2683
Name	OJ990402_23.9819.C11.o1.gp	Method	AAT/GAP
Start	290	End	694
GI	none	Score	788
Exons	290..694		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8032	Strand	+
Start	1	End	2683
Name	OJ990402_23.9819.C11.o1.gs	Method	GENSCAN
Start	878	End	2683
GI	none	Score	.64
Exons	878..1002, 1080..1295, 1435..1761, 2663..2683		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8032	Strand	+

Start	1	End	2683
Name	OJ990402_23.9819.C11.o2.gp	Method	AAT/GAP
Start	1495	End	2105
GI	14148_1.R1084	Score	1112
Exons	1495..2105		
GI Descrip.	'1769901/emb|CAA65052| 2.0e-21 (X95737) proline transporter 1 [Arabidopsis thaliana] >gi_2088642 (AF002109) proline transporter 1 [Arabidopsis thaliana]'		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8033	Strand	+
Start	6943	End	8793
Name	OJ990402_23.9819.C11.o2.np	Method	AAT/NAP
Start	6616	End	8783
GI	2832657	Score	1199
Exons	6616..6763, 7087..7265, 7323..8097, 8149..8522, 8571..8783		
GI Descrip.	(AL021710) putative protein [Arabidopsis thaliana]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8033	Strand	+
Start	6943	End	8793
Name	OJ990402_23.9819.C11.o3.gs	Method	GENSCAN
Start	6943	End	8793
GI	none	Score	.73
Exons	6943..8793		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8034	Strand	+
Start	8866	End	9284
Name	OJ990402_23.9819.C11.o3.gp	Method	AAT/GAP
Start	8866	End	9284
GI	LIB3431-061-P1-K1-H10	Score	806
Exons	8866..9284		
GI Descrip.	'1144509/gb|U34601|OSU34601 1.0e-10 Oryza sativa wanderer mobile element linked to Xa21'		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8035	Strand	+
Start	16128	End	18140
Name	OJ990402_23.9819.C11.o5.gs	Method	GENSCAN
Start	16128	End	18140
GI	none	Score	.76
Exons	16128..16180, 16290..16509, 16737..16895, 17068..17160, 17466..18140		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8035	Strand	+
Start	16128	End	18140
Name	OJ990402_23.9819.C11.o4.np	Method	AAT/NAP
Start	16436	End	17971
GI	6721112	Score	65
Exons	16436..16476, 17627..17971		
GI Descrip.	(AC007396) T4O12.23 [Arabidopsis thaliana]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8036	Strand	+
Start	25566	End	25647

Name	OJ990402_23.9819.C11.o6.gp	Method	AAT/GAP
Start	25566	End	25647
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	25566..25647		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8037	Strand	+
Start	25801	End	26499
Name	OJ990402_23.9819.C11.o6.np	Method	AAT/NAP
Start	25798	End	26493
GI	2288969	Score	558
Exons	25798..26493		
GI Descrip.	(Y12862) glutathione transferase [Zea mays]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8037	Strand	+
Start	25801	End	26499
Name	OJ990402_23.9819.C11.o8.gs	Method	GENSCAN
Start	25801	End	26499
GI	none	Score	1
Exons	25801..26499		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8038	Strand	-
Start	3371	End	3917
Name	OJ990402_23.9819.C11.o2.gs	Method	GENSCAN
Start	3371	End	3917
GI	none	Score	.55
Exons	3371..3384, 3740..3917		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8039	Strand	-
Start	11433	End	17195
Name	OJ990402_23.9819.C11.o4.gp	Method	AAT/GAP
Start	10968	End	11496
GI	3760120	Score	944
Exons	10968..11496		
GI Descrip.	20255/emb|Z11920|OSHSP82A 1.0e-17 O.sativa gene for heat shock protein 82 HSP82		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8039	Strand	-
Start	11433	End	17195
Name	OJ990402_23.9819.C11.o4.gs	Method	GENSCAN
Start	11433	End	15281
GI	none	Score	.54
Exons	11433..11508, 11954..12029, 13015..13162, 13300..13458, 14140..14188, 14693..14817, 15156..15281		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8039	Strand	-
Start	11433	End	17195
Name	OJ990402_23.9819.C11.o3.np	Method	AAT/NAP
Start	11868	End	17195

GI	6850862	Score	912
Exons	11868..12103, 13077..13162, 13300..13458, 14140..14188, 14693..14817, 15159..15329, 15555..15884, 16088..16222, 17153..17195		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8039	Strand	-
Start	11433	End	17195
Name	OJ990402_23.9819.C11.o5.gp	Method	AAT/GAP
Start	15695	End	16221
GI	2311965	Score	575
Exons	15695..15907, 16118..16221		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8040	Strand	-
Start	22611	End	24982
Name	OJ990402_23.9819.C11.o5.np	Method	AAT/NAP
Start	22611	End	24982
GI	2191136	Score	552
Exons	22611..23576, 24959..24982		
GI Descrip.	(AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8041	Strand	-
Start	25096	End	25489
Name	OJ990402_23.9819.C11.o7.gs	Method	GENSCAN
Start	25096	End	25489
GI	none	Score	.69
Exons	25096..25300, 25425..25489		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	265	End	1815
GI	none	Score	140
Exons	265..381, 278..382, 288..383, 565..768, 566..772, 873..998, 874..1008, 1056..1277, 1074..1298, 1076..1294, 1435..1479, 1488..1808, 1489..1815		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	265	End	915
GI	none	Score	81
Exons	265..381, 274..381, 278..382, 547..768, 556..792, 566..772, 874..915		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o1.tm	Method	TBLASTX:Maize

Start	267	End	1204
GI	none	Score	76
Exons	267..374, 281..382, 286..378, 292..384, 293..382, 542..580, 571..843, 572..772, 868..918, 914..1000, 916..1008, 919..1002, 1074..1202, 1076..1204, 1079..1204		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	611	End	23426
GI	none	Score	215
Exons	611..769, 613..768, 873..998, 874..1008, 1062..1190, 1074..1247, 1079..1243, 23331..23366, 23355..23426		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	927	End	1815
GI	none	Score	109
Exons	927..998, 928..1008, 1074..1298, 1076..1294, 1089..1298, 1132..1308, 1432..1467, 1434..1481, 1435..1479, 1489..1815, 1492..1719, 1563..1814		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1208	End	1815
GI	none	Score	132
Exons	1208..1294, 1209..1298, 1434..1808, 1435..1815, 1438..1815		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	1259	End	1707
GI	none	Score	59
Exons	1259..1294, 1432..1707, 1435..1707		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	7195	End	8733
GI	none	Score	87
Exons	7195..7398, 7315..7554, 7582..7698, 7615..8001, 7626..7841, 7905..8000, 7918..8304, 8221..8598, 8223..8573, 8523..8645, 8524..8733		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	7210	End	8700
GI	none	Score	68

Exons 7210..7401, 7240..7458, 7243..7401, 7330..7578, 7456..7584, 7561..7758, 7597..7767, 7639..8064, 7702..7791, 7756..8076, 7843..8052, 7896..8051, 7906..8061, 7945..8364, 7948..8067, 8032..8313, 8203..8700, 8392..8646, 8445..8615, 8502..8648

Seq. No. 3789 Seq. ID OJ990402_23.9819.C11
Gene No. 8042 Strand -
Start 27198 End 27387
Name OJ990402_23.9819.C11.o1.ts Method TBLASTX:Soybean
Start 7240 End 8736
GI none Score 137
Exons 7240..7521, 7408..7569, 7579..7830, 7708..8136, 7785..8135, 8008..8436, 8013..8435, 8311..8736

Seq. No. 3789 Seq. ID OJ990402_23.9819.C11
Gene No. 8042 Strand -
Start 27198 End 27387
Name OJ990402_23.9819.C11.o3.tm Method TBLASTX:Maize
Start 7336 End 8736
GI none Score 137
Exons 7336..7569, 7642..7902, 7939..8205, 7941..8207, 7942..8208, 8242..8511, 8548..8736

Seq. No. 3789 Seq. ID OJ990402_23.9819.C11
Gene No. 8042 Strand -
Start 27198 End 27387
Name OJ990402_23.9819.C11.o4.tm Method TBLASTX:Maize
Start 11513 End 16284
GI none Score 187
Exons 11513..11674, 11514..11675, 11520..11675, 11525..11776, 11953..12102, 11960..12103, 12551..12631, 12558..12632, 12560..12634, 13046..13165, 13073..13162, 13080..13163, 13297..13461, 13298..13462, 14140..14190, 14660..14818, 14691..14819, 15156..15329, 15161..15328, 15278..15331, 15532..15612, 15541..15612, 15564..15728, 15613..15675, 15653..15850, 15653..15892, 15672..15893, 15672..15908, 15673..15909, 16113..16235, 16114..16224, 16261..16284

Seq. No. 3789 Seq. ID OJ990402_23.9819.C11
Gene No. 8042 Strand -
Start 27198 End 27387
Name OJ990402_23.9819.C11.o5.tc Method TBLASTX:Cress
Start 11516 End 12018
GI none Score 86
Exons 11516..11686, 11526..11612, 11953..12018

Seq. No. 3789 Seq. ID OJ990402_23.9819.C11
Gene No. 8042 Strand -
Start 27198 End 27387
Name OJ990402_23.9819.C11.o7.ts Method TBLASTX:Soybean
Start 11525 End 11675
GI none Score 88
Exons 11525..11674, 11526..11675, 11544..11675

Seq. No. 3789 Seq. ID OJ990402_23.9819.C11
Gene No. 8042 Strand -
Start 27198 End 27387

Name	OJ990402_23.9819.C11.o6.ts	Method	TBLASTX:Soybean
Start	11953	End	13391
GI	none	Score	128
Exons	11953..12102, 11960..12103, 12560..12634, 13073..13162, 13074..13163, 13297..13389, 13298..13390, 13320..13391		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	22761	End	23337
GI	none	Score	61
Exons	22761..22814, 22823..22891, 22824..22901, 22915..23088, 22916..23071, 23098..23337, 23126..23287		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	22764	End	23343
GI	none	Score	38
Exons	22764..22796, 22826..22891, 22915..23088, 22919..23071, 23119..23283, 23120..23281, 23137..23283, 23302..23343		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	22814	End	23556
GI	none	Score	44
Exons	22814..22891, 22815..22901, 22915..23073, 22916..23080, 23077..23286, 23129..23287, 23137..23292, 23308..23355, 23389..23556, 23390..23440		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o6.tm	Method	TBLASTX:Maize
Start	25804	End	26157
GI	none	Score	280
Exons	25804..26157, 26059..26121		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o4.tc	Method	TBLASTX:Cress
Start	25822	End	26427
GI	none	Score	168
Exons	25822..26037, 26059..26154, 26290..26427		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o5.ts	Method	TBLASTX:Soybean
Start	25828	End	26130
GI	none	Score	260
Exons	25828..26130, 25860..26024		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	25852	End	26157
GI	none	Score	283
Exons	25852..26157		

Seq. No.	3789	Seq. ID	OJ990402_23.9819.C11
Gene No.	8042	Strand	-
Start	27198	End	27387
Name	OJ990402_23.9819.C11.o9.gs	Method	GENSCAN
Start	27198	End	27387
GI	none	Score	.8
Exons	27198..27258, 27305..27387		

Seq. No.	3790	Seq. ID	OJ990402_23.9819.C12
Gene No.	8043	Strand	-
Start	48	End	701
Name	OJ990402_23.9819.C12.o1.gs	Method	GENSCAN
Start	48	End	701
GI	none	Score	.65
Exons	48..701		

Seq. No.	3791	Seq. ID	OJ990402_23.9819.C13
Gene No.	8044	Strand	-
Start	1	End	764
Name	OJ990402_23.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	764
GI	2498930	Score	1210
Exons	1..764		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	3791	Seq. ID	OJ990402_23.9819.C13
Gene No.	8044	Strand	-
Start	1	End	764
Name	OJ990402_23.9819.C13.o1.gs	Method	GENSCAN
Start	61	End	639
GI	none	Score	.9
Exons	61..639		

Seq. No.	3792	Seq. ID	OJ990312_14.9819.C1
Gene No.	8045	Strand	+
Start	314	End	538
Name	OJ990312_14.9819.C1.o1.gs	Method	GENSCAN
Start	314	End	538
GI	none	Score	.8
Exons	314..386, 407..538		

Seq. No.	3793	Seq. ID	OJ990312_14.9819.C2
Gene No.	8046	Strand	+
Start	1	End	1055
Name	OJ990312_14.9819.C2.o2.np	Method	AAT/NAP
Start	1	End	762
GI	6957704	Score	197

Exons	1..47, 389..499, 604..762		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3793	Seq. ID	OJ990312_14.9819.C2
Gene No.	8046	Strand	+
Start	1	End	1055
Name	OJ990312_14.9819.C2.o1.gs	Method	GENSCAN
Start	96	End	679
GI	none	Score	.81
Exons	96..148, 409..499, 604..679		
Seq. No.	3793	Seq. ID	OJ990312_14.9819.C2
Gene No.	8046	Strand	+
Start	1	End	1055
Name	OJ990312_14.9819.C2.o1.np	Method	AAT/NAP
Start	115	End	1055
GI	5734621	Score	112
Exons	115..315, 967..1055		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		
Seq. No.	3793	Seq. ID	OJ990312_14.9819.C2
Gene No.	8046	Strand	+
Start	1	End	1055
Name	OJ990312_14.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	375	End	784
GI	none	Score	127
Exons	375..503, 386..499, 406..501, 532..771, 602..784, 602..769		
Seq. No.	3793	Seq. ID	OJ990312_14.9819.C2
Gene No.	8046	Strand	+
Start	1	End	1055
Name	OJ990312_14.9819.C2.o1.gp	Method	AAT/GAP
Start	409	End	770
GI	uC-osflM202058g11a1	Score	454
Exons	409..499, 604..770		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	3794	Seq. ID	OJ990312_14.9819.C3
Gene No.	8047	Strand	+
Start	644	End	1495
Name	OJ990312_14.9819.C3.o1.gs	Method	GENSCAN
Start	644	End	1495
GI	none	Score	.62
Exons	644..760, 852..890, 1430..1495		
Seq. No.	3794	Seq. ID	OJ990312_14.9819.C3
Gene No.	8048	Strand	+
Start	2966	End	6331
Name	OJ990312_14.9819.C3.o3.np	Method	AAT/NAP
Start	2966	End	6331
GI	93144	Score	45
Exons	2966..3128, 3273..3629, 3740..3841, 4314..4431, 6306..6331		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2		

[Pseudorabies virus]

Seq. No.	3794	Seq. ID	OJ990312_14.9819.C3
Gene No.	8049	Strand	-
Start	231	End	3380
Name	OJ990312_14.9819.C3.o2.np	Method	AAT/NAP
Start	231	End	3380
GI	6957519	Score	315
Exons	231..272, 1745..2586, 3336..3380		
GI Descrip.	(AC022288) putative gag-pol polyprotein [Arabidopsis thaliana]		

Seq. No.	3794	Seq. ID	OJ990312_14.9819.C3
Gene No.	8050	Strand	-
Start	5582	End	5676
Name	OJ990312_14.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	2056	End	2445
GI	none	Score	183
Exons	2056..2445		

Seq. No.	3794	Seq. ID	OJ990312_14.9819.C3
Gene No.	8050	Strand	-
Start	5582	End	5676
Name	OJ990312_14.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	2098	End	2466
GI	none	Score	119
Exons	2098..2466, 2144..2434		

Seq. No.	3794	Seq. ID	OJ990312_14.9819.C3
Gene No.	8050	Strand	-
Start	5582	End	5676
Name	OJ990312_14.9819.C3.o1.gp	Method	AAT/GAP
Start	5582	End	5676
GI	5867_1.R1084	Score	133
Exons	5582..5676		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8051	Strand	+
Start	3457	End	4652
Name	OJ990312_14.9819.C4.o2.gs	Method	GENSCAN
Start	3457	End	4620
GI	none	Score	.91
Exons	3457..4146, 4204..4620		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8051	Strand	+
Start	3457	End	4652
Name	OJ990312_14.9819.C4.o2.np	Method	AAT/NAP
Start	3634	End	4652
GI	6715737	Score	431
Exons	3634..4191, 4316..4652		

GI Descrip. (AC016447) putative zinc finger protein [Arabidopsis thaliana]

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8052	Strand	+
Start	7370	End	7752
Name	OJ990312_14.9819.C4.o1.gp	Method	AAT/GAP
Start	7370	End	7752
GI	uC-osroM202018e03b1	Score	728
Exons	7370..7752		
GI Descrip.	'3218542/dbj|AB004813|AB004813 8.0e-09 Oryza sativa AOX1b and AOX1a genes, complete cds'		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8053	Strand	-
Start	780	End	1229
Name	OJ990312_14.9819.C4.o1.np	Method	AAT/NAP
Start	759	End	880
GI	5777617	Score	102
Exons	759..880		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8053	Strand	-
Start	780	End	1229
Name	OJ990312_14.9819.C4.o1.gs	Method	GENSCAN
Start	780	End	1229
GI	none	Score	.43
Exons	780..1229		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8054	Strand	-
Start	5400	End	5730
Name	OJ990312_14.9819.C4.o3.gs	Method	GENSCAN
Start	5400	End	5730
GI	none	Score	.65
Exons	5400..5430, 5498..5643, 5665..5730		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8055	Strand	-
Start	6447	End	9077
Name	OJ990312_14.9819.C4.o4.gs	Method	GENSCAN
Start	6447	End	9065
GI	none	Score	.7
Exons	6447..6581, 6645..6689, 7227..7358, 7549..7665, 7766..7942, 7959..8231, 8414..8579, 8668..9065		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8055	Strand	-
Start	6447	End	9077
Name	OJ990312_14.9819.C4.o3.np	Method	AAT/NAP
Start	6450	End	9065
GI	6862941	Score	386
Exons	6450..6689, 7227..7374, 8406..8579, 8668..9065		
GI Descrip.	(AC019018) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8055	Strand	-

Start	6447	End	9077
Name	OJ990312_14.9819.C4.o4.np	Method	AAT/NAP
Start	6840	End	9077
GI	3924597	Score	198
Exons	6840..6863, 7231..7399, 8413..8579, 8674..9077		
GI Descrip.	(AF069442) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8056	Strand	-
Start	10865	End	11215
Name	OJ990312_14.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	4374	End	4604
GI	none	Score	94
Exons	4374..4427, 4374..4604, 4375..4602		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8056	Strand	-
Start	10865	End	11215
Name	OJ990312_14.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	7236	End	8536
GI	none	Score	148
Exons	7236..7379, 7237..7362, 7284..7364, 8360..8521, 8390..8536		

Seq. No.	3795	Seq. ID	OJ990312_14.9819.C4
Gene No.	8056	Strand	-
Start	10865	End	11215
Name	OJ990312_14.9819.C4.o2.gp	Method	AAT/GAP
Start	10865	End	11215
GI	none	Score	670
Exons	10865..11215		

Seq. No.	3796	Seq. ID	OJ990312_14.9819.C5
Gene No.	8057	Strand	-
Start	1812	End	6091
Name	OJ990312_14.9819.C5.o1.gs	Method	GENSCAN
Start	1812	End	6091
GI	none	Score	.77
Exons	1812..1947, 2486..3024, 6032..6091		

Seq. No.	3796	Seq. ID	OJ990312_14.9819.C5
Gene No.	8057	Strand	-
Start	1812	End	6091
Name	OJ990312_14.9819.C5.o1.np	Method	AAT/NAP
Start	2494	End	3015
GI	3643595	Score	249
Exons	2494..3015		
GI Descrip.	(AC005395) putative oleosin protein [Arabidopsis thaliana]		

Seq. No.	3796	Seq. ID	OJ990312_14.9819.C5
Gene No.	8057	Strand	-
Start	1812	End	6091
Name	OJ990312_14.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	2524	End	2760
GI	none	Score	96
Exons	2524..2646, 2525..2644, 2725..2760		

Seq. No.	3796	Seq. ID	OJ990312_14.9819.C5

Gene No.	8057	Strand	-
Start	1812	End	6091
Name	OJ990312_14.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	2533	End	2905
GI	none	Score	374
Exons	2533..2646, 2534..2905, 2725..2772, 2848..2904		

Seq. No.	3797	Seq. ID	OJ990312_14.9819.C6
Gene No.	8058	Strand	+
Start	213	End	2067
Name	OJ990312_14.9819.C6.o1.gs	Method	GENSCAN
Start	213	End	2046
GI	none	Score	.83
Exons	213..517, 1433..1832, 1915..2046		

Seq. No.	3797	Seq. ID	OJ990312_14.9819.C6
Gene No.	8058	Strand	+
Start	213	End	2067
Name	OJ990312_14.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1432	End	2038
GI	none	Score	568
Exons	1432..1473, 1433..1846, 1537..1824, 1902..2036, 1911..2015, 1913..2038		

Seq. No.	3797	Seq. ID	OJ990312_14.9819.C6
Gene No.	8058	Strand	+
Start	213	End	2067
Name	OJ990312_14.9819.C6.o1.np	Method	AAT/NAP
Start	1433	End	2067
GI	6692731	Score	719
Exons	1433..1832, 1915..2067		
GI Descrip.	(AC012679) putative MAP kinase [Arabidopsis thaliana]		

Seq. No.	3797	Seq. ID	OJ990312_14.9819.C6
Gene No.	8058	Strand	+
Start	213	End	2067
Name	OJ990312_14.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1433	End	2036
GI	none	Score	564
Exons	1433..1846, 1438..1473, 1537..1824, 1902..2036, 1913..2023		

Seq. No.	3797	Seq. ID	OJ990312_14.9819.C6
Gene No.	8058	Strand	+
Start	213	End	2067
Name	OJ990312_14.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	1445	End	2024
GI	none	Score	524
Exons	1445..1846, 1531..1824, 1902..2024, 1913..2023		

Seq. No.	3797	Seq. ID	OJ990312_14.9819.C6
Gene No.	8058	Strand	+
Start	213	End	2067
Name	OJ990312_14.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	1490	End	2018
GI	none	Score	306
Exons	1490..1846, 1490..1846, 1537..1875, 1902..2018, 1913..1990		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8059	Strand	+
Start	1	End	3597
Name	OJ990312_14.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	3230
GI	5815410	Score	830
Exons	1..94, 268..417, 789..944, 1051..1188, 1277..1350, 1575..1676, 1723..1862, 2907..3007, 3159..3230		
GI Descrip.	(AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8059	Strand	+
Start	1	End	3597
Name	OJ990312_14.9819.C7.o1.gs	Method	GENSCAN
Start	268	End	3233
GI	none	Score	.89
Exons	268..417, 789..944, 1277..1350, 1575..1676, 2818..3007, 3159..3233		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8059	Strand	+
Start	1	End	3597
Name	OJ990312_14.9819.C7.o1.gp	Method	AAT/GAP
Start	829	End	1671
GI	uC-osflcyp170a10b1	Score	717
Exons	829..944, 1051..1188, 1277..1350, 1575..1671		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 5.0e-52 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8059	Strand	+
Start	1	End	3597
Name	OJ990312_14.9819.C7.o2.gp	Method	AAT/GAP
Start	2880	End	3597
GI	none	Score	1036
Exons	2880..3007, 3156..3597		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-
Start	5427	End	5563
Name	OJ990312_14.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	34	End	431
GI	none	Score	106
Exons	34..90, 35..91, 262..396, 268..420, 270..431		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-
Start	5427	End	5563
Name	OJ990312_14.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	34	End	420
GI	none	Score	111
Exons	34..87, 35..94, 255..401, 259..381, 265..420, 267..404		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-

Start	5427	End	5563
Name	OJ990312_14.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	34	End	1387
GI	none	Score	111
Exons	34..93, 35..94, 265..420, 265..399, 267..404, 278..445, 467..520, 786..944, 791..943, 1048..1191, 1050..1196, 1277..1387		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-
Start	5427	End	5563
Name	OJ990312_14.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	779	End	3245
GI	none	Score	175
Exons	779..937, 786..944, 786..944, 787..945, 1048..1191, 1048..1212, 1258..1332, 1277..1327, 1572..1676, 1572..1688, 1573..1677, 2801..2869, 2806..2847, 2807..2866, 2852..2998, 2858..3007, 2862..3011, 2875..3018, 2892..3008, 3162..3245, 3174..3239		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-
Start	5427	End	5563
Name	OJ990312_14.9819.C7.o3.tc	Method	TBLASTX:Cress
Start	786	End	942
GI	none	Score	211
Exons	786..941, 790..942, 792..941		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-
Start	5427	End	5563
Name	OJ990312_14.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	1059	End	1324
GI	none	Score	194
Exons	1059..1196, 1060..1191, 1277..1318, 1286..1324		

Seq. No.	3798	Seq. ID	OJ990312_14.9819.C7
Gene No.	8060	Strand	-
Start	5427	End	5563
Name	OJ990312_14.9819.C7.o2.gs	Method	GENSCAN
Start	5427	End	5563
GI	none	Score	.77
Exons	5427..5563		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8061	Strand	+
Start	2226	End	5206
Name	OJ990312_14.9819.C8.o1.gs	Method	GENSCAN
Start	2226	End	5206
GI	none	Score	.63
Exons	2226..2366, 2470..2723, 4226..4371, 4738..4902, 4933..5206		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8062	Strand	+
Start	10247	End	10860
Name	OJ990312_14.9819.C8.o1.gp	Method	AAT/GAP
Start	10247	End	10860
GI	none	Score	972
Exons	10247..10731, 10836..10860		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o1.np	Method	AAT/NAP
Start	6547	End	8776
GI	3377509	Score	1232
Exons	6547..6610, 6712..6788, 6896..7053, 7138..7223, 7334..7481, 7513..8776		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	6547	End	7447
GI	none	Score	75
Exons	6547..6609, 6714..6788, 6715..6792, 6888..7055, 6890..7063, 7121..7225, 7128..7232, 7319..7447, 7333..7446		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	6547	End	8797
GI	none	Score	49
Exons	6547..6609, 6548..6610, 6714..6788, 6715..6792, 6888..7067, 6890..7063, 7121..7225, 7128..7232, 7307..7447, 7333..7446, 7336..7449, 7886..7927, 8006..8086, 8195..8467, 8202..8465, 8492..8797, 8520..8762		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	6547	End	7422
GI	none	Score	62
Exons	6547..6609, 6548..6613, 6551..6610, 6696..6776, 6711..6788, 6715..6789, 6890..7063, 6900..7055, 7121..7225, 7128..7217, 7141..7227, 7142..7225, 7319..7417, 7333..7416, 7333..7422		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	6711	End	7422
GI	none	Score	74
Exons	6711..6788, 6890..7063, 7130..7225, 7333..7422		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o2.gs	Method	GENSCAN
Start	6869	End	11940
GI	none	Score	.79
Exons	6869..7053, 7138..7223, 7334..7637, 7696..8825, 10247..10535, 11740..11940		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	8205	End	8467
GI	none	Score	223
Exons	8205..8456, 8207..8467		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	8322	End	8773
GI	none	Score	72
Exons	8322..8456, 8324..8455, 8514..8750, 8540..8773		

Seq. No.	3799	Seq. ID	OJ990312_14.9819.C8
Gene No.	8063	Strand	-
Start	6869	End	11940
Name	OJ990312_14.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	8511	End	8797
GI	none	Score	307
Exons	8511..8777, 8540..8788, 8759..8797		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8064	Strand	+
Start	1862	End	2178
Name	OJ990312_14.9819.C9.o1.gp	Method	AAT/GAP
Start	1862	End	2178
GI	none	Score	567
Exons	1862..2178		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8065	Strand	+
Start	12338	End	13784
Name	OJ990312_14.9819.C9.o2.np	Method	AAT/NAP
Start	12338	End	13784
GI	6907088	Score	798
Exons	12338..12475, 12651..12888, 13382..13784		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8065	Strand	+
Start	12338	End	13784
Name	OJ990312_14.9819.C9.o4.gp	Method	AAT/GAP
Start	13148	End	13337
GI	5667165	Score	338
Exons	13148..13337		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8066	Strand	-
Start	2203	End	11540
Name	OJ990312_14.9819.C9.o1.gs	Method	GENSCAN
Start	2203	End	10297

GI	none	Score	.65
Exons	2203..3042, 4514..4605, 4800..4934, 5785..5860, 5965..6055, 6353..6512, 6584..6696, 7374..7439, 8573..8674, 9849..10297		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8066	Strand	-
Start	2203	End	11540
Name	OJ990312_14.9819.C9.o3.gp	Method	AAT/GAP
Start	5604	End	7407
GI	uC-osflM202058g11a1	Score	954
Exons	5604..5860, 5965..6055, 7129..7269, 7374..7407		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8066	Strand	-
Start	2203	End	11540
Name	OJ990312_14.9819.C9.o1.np	Method	AAT/NAP
Start	5702	End	11540
GI	6957704	Score	866
Exons	5702..5860, 5965..6055, 7129..7269, 7374..7439, 7994..8131, 8573..8674, 8815..8889, 8970..9050, 9849..9940, 11376..11540		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	2215	End	2499
GI	none	Score	60
Exons	2215..2235, 2272..2304, 2277..2312, 2305..2499, 2313..2372, 2361..2498		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	2272	End	2622
GI	none	Score	112
Exons	2272..2304, 2313..2363, 2344..2520, 2355..2519, 2548..2622, 2567..2620		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	2379	End	2748
GI	none	Score	53
Exons	2379..2447, 2380..2451, 2433..2519, 2452..2517, 2572..2748		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	5690	End	6089
GI	none	Score	204
Exons	5690..5932, 5695..5862, 5702..5890, 5961..6089, 5964..6053,		

5965..6078

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	7129	End	9180
GI	none	Score	160
Exons	7129..7275, 7131..7271, 7134..7277, 7374..7439, 7375..7440, 7376..7438, 7983..8126, 7987..8121, 7987..8133, 7991..8134, 8554..8676, 8576..8686, 8576..8698, 8643..8696, 8814..8897, 8817..8891, 8967..9050, 8969..9052, 8970..9056, 9124..9156, 9136..9180		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	7227	End	8882
GI	none	Score	43
Exons	7227..7271, 7228..7278, 7374..7439, 7376..7438, 7987..8133, 7991..8134, 8554..8676, 8576..8677, 8585..8680, 8814..8882		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	8641	End	9940
GI	none	Score	55
Exons	8641..8676, 8814..8897, 8815..8856, 8963..9055, 8967..9056, 8969..9052, 9114..9227, 9136..9204, 9848..9940		

Seq. No.	3800	Seq. ID	OJ990312_14.9819.C9
Gene No.	8067	Strand	-
Start	11812	End	12406
Name	OJ990312_14.9819.C9.o2.gs	Method	GENSCAN
Start	11812	End	12406
GI	none	Score	.78
Exons	11812..11885, 12264..12311, 12352..12406		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8068	Strand	+
Start	1	End	2034
Name	OJ990312_14.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	5734635	Score	239
Exons	1..643, 873..1004		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8068	Strand	+
Start	1	End	2034
Name	OJ990312_14.9819.C10.o1.gs	Method	GENSCAN
Start	382	End	2034
GI	none	Score	.69
Exons	382..583, 885..1008, 1476..1514, 1802..2034		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8069	Strand	-
Start	2276	End	2847
Name	OJ990312_14.9819.C10.o2.gs	Method	GENSCAN
Start	2276	End	2788
GI	none	Score	.98
Exons	2276..2788		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8069	Strand	-
Start	2276	End	2847
Name	OJ990312_14.9819.C10.o2.np	Method	AAT/NAP
Start	2282	End	2782
GI	6728961	Score	388
Exons	2282..2782		
GI Descrip.	(AC018363) putative calmodulin [Arabidopsis thaliana]		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8069	Strand	-
Start	2276	End	2847
Name	OJ990312_14.9819.C10.o1.gp	Method	AAT/GAP
Start	2631	End	2847
GI	2311836	Score	406
Exons	2631..2847		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	2262	End	2620
GI	none	Score	169
Exons	2262..2510, 2279..2509, 2528..2620, 2552..2617		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	2294	End	2779
GI	none	Score	96
Exons	2294..2500, 2312..2503, 2537..2779		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	2294	End	2761
GI	none	Score	97
Exons	2294..2548, 2312..2503, 2537..2761		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	2294	End	2749
GI	none	Score	92
Exons	2294..2500, 2312..2503, 2387..2503, 2537..2749		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o3.gs	Method	GENSCAN
Start	4227	End	5445
GI	none	Score	.76
Exons	4227..4245, 4531..4624, 4677..4815, 4906..5040, 5271..5445		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	4600	End	5516
GI	none	Score	307
Exons	4600..4815, 4601..4819, 4727..4816, 4728..4820, 4906..5037, 4907..5038, 4907..5041, 5269..5451, 5270..5443, 5271..5516, 5272..5451		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	4601	End	5496
GI	none	Score	225
Exons	4601..4816, 4606..4632, 4639..4815, 4747..4818, 4841..5041, 4905..5042, 4906..5043, 4910..5041, 4911..5042, 5263..5442, 5267..5446, 5268..5468, 5269..5496		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o3.np	Method	AAT/NAP
Start	4609	End	5548
GI	6016708	Score	782
Exons	4609..4815, 4906..5040, 5271..5548		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	4624	End	5522
GI	none	Score	174
Exons	4624..4815, 4625..4816, 4906..5043, 4913..5041, 5263..5451, 5268..5522		

Seq. No.	3801	Seq. ID	OJ990312_14.9819.C10
Gene No.	8070	Strand	-
Start	4227	End	5548
Name	OJ990312_14.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	4660	End	5468
GI	none	Score	118
Exons	4660..4812, 4661..4807, 4909..5043, 4961..5041, 5263..5451, 5268..5468		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8071	Strand	+

Start	6060	End	6513
Name	OJ990312_14.9819.C11.o1.gp	Method	AAT/GAP
Start	6060	End	6513
GI	none	Score	770
Exons	6060..6513		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8072	Strand	-
Start	1	End	2154
Name	OJ990312_14.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	2154
GI	6016708	Score	589
Exons	1..252, 776..897, 1839..2154		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8073	Strand	-
Start	6400	End	7482
Name	OJ990312_14.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	55	End	2119
GI	none	Score	217
Exons	55..255, 56..229, 58..255, 770..916, 780..899, 785..910, 1840..2010, 1841..1981, 2014..2118, 2015..2119		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8073	Strand	-
Start	6400	End	7482
Name	OJ990312_14.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	1837	End	2115
GI	5677051	Score	144
Exons	1837..1956, 1838..1960, 2011..2115		
GI Descrip.	2244835/emb_CAB10257_ 4.0e-13 (Z97337) protein kinase homolog [Arabidopsis thaliana]		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8073	Strand	-
Start	6400	End	7482
Name	OJ990312_14.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	1876	End	2118
GI	none	Score	85
Exons	1876..1959, 1877..1948, 2011..2118		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8073	Strand	-
Start	6400	End	7482
Name	OJ990312_14.9819.C11.o2.gp	Method	AAT/GAP
Start	6400	End	7482
GI	287066	Score	603
Exons	6400..6588, 6719..6791, 7334..7482		

Seq. No.	3802	Seq. ID	OJ990312_14.9819.C11
Gene No.	8073	Strand	-
Start	6400	End	7482
Name	OJ990312_14.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	6417	End	6769
GI	none	Score	99
Exons	6417..6587, 6420..6602, 6427..6609, 6719..6769, 6721..6768		

Seq. No.	3803	Seq. ID	OJ990312_14.9819.C13
Gene No.	8074	Strand	-
Start	57	End	189
Name	OJ990312_14.9819.C13.o1.gs	Method	GENSCAN
Start	57	End	189
GI	none	Score	.44
Exons	57..189		

Seq. No.	3804	Seq. ID	OJ990312_14.9819.C15
Gene No.	8075	Strand	+
Start	1	End	7050
Name	OJ990312_14.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	2077
GI	6714341	Score	212
Exons	1..45, 1176..1425, 1857..2077		
GI Descrip.	(AC016162) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	3804	Seq. ID	OJ990312_14.9819.C15
Gene No.	8075	Strand	+
Start	1	End	7050
Name	OJ990312_14.9819.C15.o1.gs	Method	GENSCAN
Start	1176	End	7050
GI	none	Score	.57
Exons	1176..1425, 1857..2034, 3014..3677, 3739..3957, 4912..5192, 5748..6490, 6593..7050		

Seq. No.	3804	Seq. ID	OJ990312_14.9819.C15
Gene No.	8076	Strand	-
Start	9242	End	9829
Name	OJ990312_14.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	6253	End	6666
GI	none	Score	150
Exons	6253..6501, 6592..6666		

Seq. No.	3804	Seq. ID	OJ990312_14.9819.C15
Gene No.	8076	Strand	-
Start	9242	End	9829
Name	OJ990312_14.9819.C15.o2.gs	Method	GENSCAN
Start	9242	End	9829
GI	none	Score	.85
Exons	9242..9490, 9532..9623, 9716..9829		

Seq. No.	3805	Seq. ID	OJ990312_14.9819.C20
Gene No.	8077	Strand	+
Start	38	End	1027
Name	OJ990312_14.9819.C20.o1.gs	Method	GENSCAN
Start	38	End	1027
GI	none	Score	.85
Exons	38..42, 247..361, 464..667, 899..1027		

Seq. No.	3805	Seq. ID	OJ990312_14.9819.C20
Gene No.	8077	Strand	+
Start	38	End	1027
Name	OJ990312_14.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	259	End	661

GI	none	Score	94
Exons	259..357, 266..361, 467..661, 468..518		

Seq. No.	3806	Seq. ID	OJ990312_14.9819.C22
Gene No.	8078	Strand	+
Start	187	End	306
Name	OJ990312_14.9819.C22.o1.gs	Method	GENSCAN
Start	187	End	306
GI	none	Score	.78
Exons	187..306		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8079	Strand	+
Start	330	End	1019
Name	OJ990312_14.9819.C24.o1.gs	Method	GENSCAN
Start	330	End	1019
GI	none	Score	.71
Exons	330..444, 998..1019		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8080	Strand	+
Start	12519	End	12597
Name	OJ990312_14.9819.C24.o3.np	Method	AAT/NAP
Start	12519	End	12597
GI	6630699	Score	75
Exons	12519..12597		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8081	Strand	-
Start	1	End	3610
Name	OJ990312_14.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	3601
GI	4218120	Score	135
Exons	1..43, 349..457, 3339..3601		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8081	Strand	-
Start	1	End	3610
Name	OJ990312_14.9819.C24.o2.gs	Method	GENSCAN
Start	2059	End	3610
GI	none	Score	.47
Exons	2059..2069, 3310..3610		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8082	Strand	-
Start	4161	End	5911
Name	OJ990312_14.9819.C24.o3.gs	Method	GENSCAN
Start	4161	End	5911
GI	none	Score	.43
Exons	4161..4180, 4597..4860, 5638..5911		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8083	Strand	-

Start	8353	End	12472
Name	OJ990312_14.9819.C24.o4.gs	Method	GENSCAN
Start	8353	End	12472
GI	none	Score	.75
Exons	8353..8467, 8488..8696, 9923..10102, 11410..11559, 11960..12281, 12333..12472		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8083	Strand	-
Start	8353	End	12472
Name	OJ990312_14.9819.C24.o2.np	Method	AAT/NAP
Start	8356	End	12459
GI	5922620	Score	562
Exons	8356..8496, 9886..10241, 11060..11171, 12355..12459		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8084	Strand	-
Start	13735	End	14013
Name	OJ990312_14.9819.C24.o1.gp	Method	AAT/GAP
Start	13735	End	14013
GI	31877_1.R1084	Score	215
Exons	13735..13803, 13938..14013		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8085	Strand	-
Start	17603	End	17982
Name	OJ990312_14.9819.C24.o2.gp	Method	AAT/GAP
Start	17603	End	17982
GI	uC-osf1cyp033a04b1	Score	633
Exons	17603..17982		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8086	Strand	-
Start	18442	End	20157
Name	OJ990312_14.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	370	End	5806
GI	none	Score	101
Exons	370..414, 436..468, 3345..3503, 3347..3520, 5633..5806		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24
Gene No.	8086	Strand	-
Start	18442	End	20157
Name	OJ990312_14.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	3341	End	5797
GI	none	Score	148
Exons	3341..3514, 3351..3515, 5627..5797		

Seq. No.	3807	Seq. ID	OJ990312_14.9819.C24

Gene No.	8086	Strand	-
Start	18442	End	20157
Name	OJ990312_14.9819.C24.o4.np	Method	AAT/NAP
Start	18442	End	20157
GI	6907087	Score	908
Exons	18442..18543, 19084..19743, 19789..20157		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	3808	Seq. ID	OJ990312_14.9819.C25
Gene No.	8087	Strand	+
Start	104	End	920
Name	OJ990312_14.9819.C25.o1.gs	Method	GENSCAN
Start	104	End	920
GI	none	Score	.73
Exons	104..260, 900..920		

Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8088	Strand	+
Start	5079	End	6131
Name	OJ990312_14.9819.C26.o3.gs	Method	GENSCAN
Start	5079	End	6131
GI	none	Score	.75
Exons	5079..5370, 5602..6131		

Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8089	Strand	+
Start	12512	End	16503
Name	OJ990312_14.9819.C26.o5.gs	Method	GENSCAN
Start	12512	End	16238
GI	none	Score	.59
Exons	12512..12656, 15375..15604, 16164..16238		

Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8089	Strand	+
Start	12512	End	16503
Name	OJ990312_14.9819.C26.o2.np	Method	AAT/NAP
Start	14195	End	16503
GI	1091678	Score	1251
Exons	14195..16147, 16444..16503		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8090	Strand	-
Start	354	End	2598
Name	OJ990312_14.9819.C26.o1.gs	Method	GENSCAN
Start	354	End	2598
GI	none	Score	.58
Exons	354..529, 677..1288, 1640..2098, 2173..2387, 2468..2598		

Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8091	Strand	-
Start	4325	End	7534
Name	OJ990312_14.9819.C26.o2.gs	Method	GENSCAN
Start	4325	End	4627
GI	none	Score	.71

Exons	4325..4627		
Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8091	Strand	-
Start	4325	End	7534
Name	OJ990312_14.9819.C26.o1.gp	Method	AAT/GAP
Start	4392	End	7534
GI	none	Score	1414
Exons	4392..4621, 7027..7534		
Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8092	Strand	
Start	14432	End	14637
Name	OJ990312_14.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	14432	End	14637
GI	none	Score	244
Exons	14432..14632, 14450..14629, 14461..14637		
Seq. No.	3809	Seq. ID	OJ990312_14.9819.C26
Gene No.	8093	Strand	
Start	14638	End	16086
Name	OJ990312_14.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	14638	End	16086
GI	none	Score	35
Exons	14638..14697, 14699..14809, 14699..14812, 14802..14900, 14803..14946, 14953..14994, 14998..15192, 14999..15205, 15079..15213, 15210..15356, 15366..15590, 15367..15591, 15371..15592, 15443..15592, 15812..15865, 15853..15915, 15928..15996, 16009..16086		
Seq. No.	3810	Seq. ID	OJ990312_14.9819.C27
Gene No.	8094	Strand	+
Start	2432	End	4888
Name	OJ990312_14.9819.C27.o2.np	Method	AAT/NAP
Start	2432	End	4888
GI	4539658	Score	127
Exons	2432..2524, 2582..2783, 4857..4888		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	3810	Seq. ID	OJ990312_14.9819.C27
Gene No.	8094	Strand	+
Start	2432	End	4888
Name	OJ990312_14.9819.C27.o1.np	Method	AAT/NAP
Start	2436	End	4888
GI	4539658	Score	126
Exons	2436..2524, 2582..2783, 4857..4888		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	3810	Seq. ID	OJ990312_14.9819.C27
Gene No.	8095	Strand	-
Start	2599	End	3182
Name	OJ990312_14.9819.C27.o1.gs	Method	GENSCAN
Start	2599	End	3182
GI	none	Score	.76
Exons	2599..2792, 3125..3182		

Seq. No.	3811	Seq. ID	OJ990312_14.9819.C28
Gene No.	8096	Strand	-
Start	1	End	1179
Name	OJ990312_14.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	1179
GI	4056477	Score	222
Exons	1..37, 117..222, 715..876, 979..1179		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	3811	Seq. ID	OJ990312_14.9819.C28
Gene No.	8096	Strand	-
Start	1	End	1179
Name	OJ990312_14.9819.C28.o1.gs	Method	GENSCAN
Start	121	End	819
GI	none	Score	.81
Exons	121..222, 715..819		

Seq. No.	3812	Seq. ID	OJ990312_14.9819.C29
Gene No.	8097	Strand	+
Start	299	End	466
Name	OJ990312_14.9819.C29.o1.gs	Method	GENSCAN
Start	299	End	466
GI	none	Score	.56
Exons	299..466		

Seq. No.	3813	Seq. ID	OJ990312_14.9819.C30
Gene No.	8098	Strand	+
Start	60	End	147
Name	OJ990312_14.9819.C30.o1.gs	Method	GENSCAN
Start	60	End	147
GI	none	Score	.54
Exons	60..147		

Seq. No.	3814	Seq. ID	OJ990312_14.9819.C31
Gene No.	8099	Strand	-
Start	1	End	1305
Name	OJ990312_14.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	3461821	Score	100
Exons	1..229, 793..916, 1277..1305		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	3814	Seq. ID	OJ990312_14.9819.C31
Gene No.	8099	Strand	-
Start	1	End	1305
Name	OJ990312_14.9819.C31.o1.gp	Method	AAT/GAP
Start	176	End	696
GI	none	Score	952
Exons	176..696		

Seq. No.	3815	Seq. ID	OJ990312_14.9819.C32
Gene No.	8100	Strand	+
Start	11645	End	12697
Name	OJ990312_14.9819.C32.o2.np	Method	AAT/NAP
Start	11645	End	12697

GI	4914384	Score	158
Exons	11645..11720, 12331..12534, 12672..12697		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	3815	Seq. ID	OJ990312_14.9819.C32
Gene No.	8100	Strand	+
Start	11645	End	12697
Name	OJ990312_14.9819.C32.o1.gp	Method	AAT/GAP
Start	12144	End	12583
GI	13677_1.R1084	Score	725
Exons	12144..12583		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	3815	Seq. ID	OJ990312_14.9819.C32
Gene No.	8100	Strand	+
Start	11645	End	12697
Name	OJ990312_14.9819.C32.o2.gs	Method	GENSCAN
Start	12285	End	12534
GI	none	Score	.73
Exons	12285..12534		

Seq. No.	3815	Seq. ID	OJ990312_14.9819.C32
Gene No.	8101	Strand	-
Start	2181	End	11566
Name	OJ990312_14.9819.C32.o1.gs	Method	GENSCAN
Start	2181	End	11566
GI	none	Score	.47
Exons	2181..2478, 2573..2858, 3554..3599, 4103..4281, 5641..5692, 7556..7737, 10832..10853, 11564..11566		

Seq. No.	3815	Seq. ID	OJ990312_14.9819.C32
Gene No.	8101	Strand	-
Start	2181	End	11566
Name	OJ990312_14.9819.C32.o1.np	Method	AAT/NAP
Start	3510	End	4279
GI	4680183	Score	203
Exons	3510..3601, 4213..4279		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8102	Strand	+
Start	513	End	1594
Name	OJ990312_14.9819.C33.o1.gs	Method	GENSCAN
Start	513	End	1594
GI	none	Score	.98
Exons	513..775, 1108..1594		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8103	Strand	-
Start	2181	End	5173
Name	OJ990312_14.9819.C33.o1.np	Method	AAT/NAP
Start	2152	End	3359
GI	6539248	Score	267
Exons	2152..2649, 2750..2974, 3215..3359		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8103	Strand	-
Start	2181	End	5173
Name	OJ990312_14.9819.C33.o2.gs	Method	GENSCAN
Start	2181	End	5173
GI	none	Score	.87
Exons	2181..2651, 2752..2988, 3235..3359, 4173..4253, 5086..5173		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8103	Strand	-
Start	2181	End	5173
Name	OJ990312_14.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	2188	End	2657
GI	none	Score	114
Exons	2188..2457, 2190..2471, 2553..2657		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8103	Strand	-
Start	2181	End	5173
Name	OJ990312_14.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	2253	End	2657
GI	none	Score	66
Exons	2253..2561, 2568..2657, 2584..2649		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8103	Strand	-
Start	2181	End	5173
Name	OJ990312_14.9819.C33.o1.gp	Method	AAT/GAP
Start	2548	End	2870
GI	LIB3434-045-P1-K1-H11	Score	319
Exons	2548..2651, 2752..2870		
GI Descrip.	'2062705/gb|U90552|HSU90552 3.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	3816	Seq. ID	OJ990312_14.9819.C33
Gene No.	8103	Strand	-
Start	2181	End	5173
Name	OJ990312_14.9819.C33.o2.gp	Method	AAT/GAP
Start	3307	End	3359
GI	13677_1.R1084	Score	83
Exons	3307..3359		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	3817	Seq. ID	OJ990312_14.9819.C34
Gene No.	8104	Strand	-
Start	1445	End	1488
Name	OJ990312_14.9819.C34.o1.gs	Method	GENSCAN
Start	1445	End	1488
GI	none	Score	.6
Exons	1445..1488		

Seq. No.	3818	Seq. ID	OJ990312_14.9819.C36
Gene No.	8105	Strand	+
Start	1916	End	2836
Name	OJ990312_14.9819.C36.o1.gs	Method	GENSCAN

Start	1916	End	2836
GI	none	Score	1
Exons	1916..2836		

Seq. No.	3818	Seq. ID	OJ990312_14.9819.C36
Gene No.	8106	Strand	-
Start	4122	End	4429
Name	OJ990312_14.9819.C36.o2.gs	Method	GENSCAN
Start	4122	End	4429
GI	none	Score	.6
Exons	4122..4135, 4375..4429		

Seq. No.	3819	Seq. ID	OJ990312_14.9819.C37
Gene No.	8107	Strand	-
Start	1	End	3120
Name	OJ990312_14.9819.C37.o1.gp	Method	AAT/GAP
Start	1	End	820
GI	none	Score	1116
Exons	1..451, 643..820		

Seq. No.	3819	Seq. ID	OJ990312_14.9819.C37
Gene No.	8107	Strand	-
Start	1	End	3120
Name	OJ990312_14.9819.C37.o1.np	Method	AAT/NAP
Start	201	End	3083
GI	4126964	Score	65
Exons	201..226, 2127..2264, 3017..3083		
GI Descrip.	(AB017545) peroxisomal membrane anchor protein [Cricetulus longicaudatus]		

Seq. No.	3819	Seq. ID	OJ990312_14.9819.C37
Gene No.	8107	Strand	-
Start	1	End	3120
Name	OJ990312_14.9819.C37.o1.gs	Method	GENSCAN
Start	236	End	3120
GI	none	Score	.55
Exons	236..448, 641..709, 1442..1509, 1594..1636, 1747..1778, 1959..2004, 2119..2211, 2263..2342, 2488..2606, 3014..3120		

Seq. No.	3819	Seq. ID	OJ990312_14.9819.C37
Gene No.	8107	Strand	-
Start	1	End	3120
Name	OJ990312_14.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2460
GI	none	Score	45
Exons	1887..2003, 1946..2005, 1946..2008, 1954..2022, 2121..2246, 2121..2249, 2122..2292, 2137..2292, 2416..2460		

Seq. No.	3819	Seq. ID	OJ990312_14.9819.C37
Gene No.	8107	Strand	-
Start	1	End	3120
Name	OJ990312_14.9819.C37.o2.gp	Method	AAT/GAP
Start	2170	End	2563
GI	5002932	Score	466
Exons	2170..2342, 2488..2563		

Seq. No.	3820	Seq. ID	OJ990312_14.9819.C38

Gene No.	8108	Strand	+
Start	617	End	8414
Name	OJ990312_14.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	1	End	6345
GI	none	Score	63
Exons	1..57, 52..117, 6149..6343, 6169..6333, 6169..6345		

Seq. No.	3820	Seq. ID	OJ990312_14.9819.C38
Gene No.	8108	Strand	+
Start	617	End	8414
Name	OJ990312_14.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	4	End	7358
GI	none	Score	59
Exons	4..57, 52..105, 311..349, 322..360, 471..515, 471..515, 596..688, 619..690, 621..692, 622..693, 6171..6227, 6172..6225, 6205..6324, 6229..6321, 6964..7044, 6965..7039, 6966..7040, 6966..7046, 7106..7177, 7120..7176, 7123..7182, 7281..7358, 7283..7357		

Seq. No.	3820	Seq. ID	OJ990312_14.9819.C38
Gene No.	8108	Strand	+
Start	617	End	8414
Name	OJ990312_14.9819.C38.o1.gs	Method	GENSCAN
Start	617	End	8414
GI	none	Score	.6
Exons	617..699, 860..948, 1111..1191, 1447..1577, 2750..2826, 2903..2993, 3565..3646, 4095..4167, 5430..5610, 6965..7032, 7123..7176, 8300..8414		

Seq. No.	3820	Seq. ID	OJ990312_14.9819.C38
Gene No.	8108	Strand	+
Start	617	End	8414
Name	OJ990312_14.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	4117	End	4442
GI	none	Score	54
Exons	4117..4167, 4118..4171, 4247..4438, 4248..4442		

Seq. No.	3820	Seq. ID	OJ990312_14.9819.C38
Gene No.	8108	Strand	+
Start	617	End	8414
Name	OJ990312_14.9819.C38.o1.gp	Method	AAT/GAP
Start	5479	End	7027
GI	426359	Score	612
Exons	5479..5610, 6174..6318, 6965..7027		

Seq. No.	3821	Seq. ID	OJ990312_14.9819.C39
Gene No.	8109	Strand	+
Start	1	End	722
Name	OJ990312_14.9819.C39.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	none	Score	315
Exons	1..88, 281..378		

Seq. No.	3821	Seq. ID	OJ990312_14.9819.C39
Gene No.	8109	Strand	+
Start	1	End	722
Name	OJ990312_14.9819.C39.o1.gs	Method	GENSCAN

Start	208	End	722
GI	none	Score	.76
Exons	208..253, 622..722		

Seq. No.	3822	Seq. ID	OJ990312_14.9819.C40
Gene No.	8110	Strand	-
Start	468	End	581
Name	OJ990312_14.9819.C40.o1.ts	Method	TBLASTX:Soybean
Start	444	End	581
GI	none	Score	128
Exons	444..572, 459..581		

Seq. No.	3822	Seq. ID	OJ990312_14.9819.C40
Gene No.	8110	Strand	-
Start	468	End	581
Name	OJ990312_14.9819.C40.o1.np	Method	AAT/NAP
Start	468	End	554
GI	140301	Score	144
Exons	468..554		
GI Descrip.	HYPOTHETICAL 3.2 KD PROTEIN (ORF 29) gi|6686168|sp|P56789|YCF6_ARATH HYPOTHETICAL 3.2 KD PROTEIN YCF6 gi|82526|pir||JQ0212 hypothetical 3K protein (trnI-trnC intergenic region) - rice chloroplast gi|11970|emb|CAA33985| (X15901) ORF29 [Oryza sativa] gi|2924260|emb|CAA77412| (Z00044) Ycf6 protein [Nicotiana tabacum] gi|4958866|dbj|BAA78039.1| (AB027572) ORF29 [Triticu		

Seq. No.	3823	Seq. ID	OJ990312_14.9819.C41
Gene No.	8111	Strand	+
Start	1	End	510
Name	OJ990312_14.9819.C41.o1.np	Method	AAT/NAP
Start	1	End	441
GI	1334605	Score	91
Exons	1..91, 374..441		
GI Descrip.	(X01676) unidentified reading frame ORF 59 [Pisum sativum]		

Seq. No.	3823	Seq. ID	OJ990312_14.9819.C41
Gene No.	8111	Strand	+
Start	1	End	510
Name	OJ990312_14.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	232	End	504
GI	none	Score	45
Exons	232..276, 238..276, 314..481, 321..503, 322..504, 340..504		

Seq. No.	3823	Seq. ID	OJ990312_14.9819.C41
Gene No.	8111	Strand	+
Start	1	End	510
Name	OJ990312_14.9819.C41.o1.tc	Method	TBLASTX:Cress
Start	373	End	510
GI	none	Score	201
Exons	373..510, 373..510		

Seq. No.	3824	Seq. ID	OJ990312_14.9819.C42
Gene No.	8112	Strand	-
Start	233	End	758
Name	OJ990312_14.9819.C42.o1.tw	Method	TBLASTX:Wheat
Start	107	End	434

GI	none	Score	473
Exons	107..427, 107..427, 171..434		

Seq. No.	3824	Seq. ID	OJ990312_14.9819.C42
Gene No.	8112	Strand	-
Start	233	End	758
Name	OJ990312_14.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	212	End	758
GI	none	Score	572
Exons	212..736, 213..710, 621..758, 688..756, 695..757		

Seq. No.	3824	Seq. ID	OJ990312_14.9819.C42
Gene No.	8112	Strand	-
Start	233	End	758
Name	OJ990312_14.9819.C42.o1.gs	Method	GENSCAN
Start	233	End	682
GI	none	Score	.85
Exons	233..682		

Seq. No.	3824	Seq. ID	OJ990312_14.9819.C42
Gene No.	8112	Strand	-
Start	233	End	758
Name	OJ990312_14.9819.C42.o1.np	Method	AAT/NAP
Start	236	End	758
GI	552858	Score	874
Exons	236..758		
GI Descrip.	(M15955) cytochrome f [Oryza sativa] gi|225534|prf||1305268A cytochrome f [Oryza sativa]		

Seq. No.	3824	Seq. ID	OJ990312_14.9819.C42
Gene No.	8112	Strand	-
Start	233	End	758
Name	OJ990312_14.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	252	End	758
GI	none	Score	80
Exons	252..302, 252..302, 254..310, 254..310, 407..736, 416..700, 603..710, 621..758, 688..756, 699..758		

Seq. No.	3824	Seq. ID	OJ990312_14.9819.C42
Gene No.	8112	Strand	-
Start	233	End	758
Name	OJ990312_14.9819.C42.o2.tw	Method	TBLASTX:Wheat
Start	553	End	669
GI	none	Score	187
Exons	553..669, 554..667		

Seq. No.	3825	Seq. ID	OJ990312_14.9819.C43
Gene No.	8113	Strand	+
Start	51	End	756
Name	OJ990312_14.9819.C43.o1.gp	Method	AAT/GAP
Start	51	End	680
GI	7528_2.R1084	Score	1098
Exons	51..680		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	3825	Seq. ID	OJ990312_14.9819.C43
Gene No.	8113	Strand	+
Start	51	End	756
Name	OJ990312_14.9819.C43.o1.ts	Method	TBLASTX:Soybean
Start	240	End	720
GI	none	Score	98
Exons	240..401, 245..385, 298..435, 389..592, 423..650, 423..614, 658..720, 670..720		

Seq. No.	3825	Seq. ID	OJ990312_14.9819.C43
Gene No.	8113	Strand	+
Start	51	End	756
Name	OJ990312_14.9819.C43.o1.tc	Method	TBLASTX:Cress
Start	246	End	737
GI	none	Score	406
Exons	246..728, 247..735, 249..737		

Seq. No.	3825	Seq. ID	OJ990312_14.9819.C43
Gene No.	8113	Strand	+
Start	51	End	756
Name	OJ990312_14.9819.C43.o1.gs	Method	GENSCAN
Start	249	End	478
GI	none	Score	.78
Exons	249..306, 340..381, 435..478		

Seq. No.	3825	Seq. ID	OJ990312_14.9819.C43
Gene No.	8113	Strand	+
Start	51	End	756
Name	OJ990312_14.9819.C43.o1.np	Method	AAT/NAP
Start	249	End	756
GI	140291	Score	809
Exons	249..756		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	3825	Seq. ID	OJ990312_14.9819.C43
Gene No.	8113	Strand	+
Start	51	End	756
Name	OJ990312_14.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	405	End	755
GI	none	Score	46
Exons	405..437, 412..753, 415..753, 420..755, 423..755		

Seq. No.	3826	Seq. ID	OJ990312_14.9819.C44
Gene No.	8114	Strand	
Start	40	End	551
Name	OJ990312_14.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	40	End	360
GI	none	Score	66
Exons	40..105, 41..115, 62..154, 108..155, 117..155, 140..208, 153..218, 160..180, 166..243, 166..207, 168..245, 170..250, 172..234, 225..281, 225..281, 238..282, 282..359, 282..359, 283..360, 283..360		

Seq. No.	3826	Seq. ID	OJ990312_14.9819.C44
Gene No.	8114	Strand	
Start	40	End	551
Name	OJ990312_14.9819.C44.o1.tc	Method	TBLASTX:Cress
Start	253	End	551
GI	none	Score	42
Exons	253..282, 281..367, 282..368, 399..428, 400..447, 439..528,	282..368, 447..551,	283..375, 283..372, 459..536

Seq. No.	3827	Seq. ID	OJ990312_14.9819.C45
Gene No.	8115	Strand	+
Start	314	End	556
Name	OJ990312_14.9819.C45.o1.gs	Method	GENSCAN
Start	314	End	556
GI	none	Score	.86
Exons	314..556		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8116	Strand	+
Start	154	End	713
Name	OJ990312_14.9819.C46.o1.np	Method	AAT/NAP
Start	154	End	591
GI	140281	Score	562
Exons	154..591		
GI Descrip.	HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) gi|81821|pir||S05717 hypothetical protein 143 - soybean chloroplast gi|11577|emb|CAA30522| (X07675) ORF 143 [Glycine max]		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8116	Strand	+
Start	154	End	713
Name	OJ990312_14.9819.C46.o1.gp	Method	AAT/GAP
Start	306	End	713
GI	5005167	Score	788
Exons	306..713		
GI Descrip.	140281/sp|P09363|YCX1_SOYBN 1.0e-32 HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) >gi_81821_pir__S05717 hypothetical protein 143 - soybean chloroplast >gi_11577_emb_CAA30522_ (X07675) ORF 143 [Glycine max]		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o1.tc	Method	TBLASTX:Cress
Start	33	End	175
GI	none	Score	231
Exons	33..173, 33..173, 37..174, 38..175		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	33	End	693
GI	none	Score	1055
Exons	33..686, 33..683, 37..693, 38..685, 394..693		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46

Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	33	End	174
GI	none	Score	224
Exons	33..173, 37..174, 40..174		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	62	End	471
GI	none	Score	239
Exons	62..217, 63..215, 64..246, 64..243, 216..329, 216..329, 341..463, 342..467, 394..471		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o1.gs	Method	GENSCAN
Start	305	End	403
GI	none	Score	.55
Exons	305..403		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o2.tc	Method	TBLASTX:Cress
Start	449	End	609
GI	none	Score	190
Exons	449..589, 450..590, 453..596, 454..591, 454..609, 488..598		

Seq. No.	3828	Seq. ID	OJ990312_14.9819.C46
Gene No.	8117	Strand	-
Start	305	End	693
Name	OJ990312_14.9819.C46.o2.ts	Method	TBLASTX:Soybean
Start	472	End	693
GI	none	Score	193
Exons	472..591, 473..589, 483..593, 585..629, 605..682, 645..683, 646..693, 646..693		

Seq. No.	3829	Seq. ID	OJ990312_14.9819.C47
Gene No.	8118	Strand	+
Start	172	End	764
Name	OJ990312_14.9819.C47.o1.tm	Method	TBLASTX:Maize
Start	35	End	375
GI	none	Score	43
Exons	35..55, 35..55, 48..128, 62..124, 65..145, 74..373, 103..375, 103..375		

Seq. No.	3829	Seq. ID	OJ990312_14.9819.C47
Gene No.	8118	Strand	+
Start	172	End	764
Name	OJ990312_14.9819.C47.o1.gp	Method	AAT/GAP
Start	172	End	641
GI	uC-osflcyp097b05b1	Score	911
Exons	172..641		

GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	3829	Seq. ID	OJ990312_14.9819.C47
Gene No.	8118	Strand	+
Start	172	End	764
Name	OJ990312_14.9819.C47.o2.ts	Method	TBLASTX:Soybean
Start	239	End	411
GI	none	Score	112
Exons	239..334, 240..335, 240..338, 329..397, 330..383, 331..411, 333..410		

Seq. No.	3829	Seq. ID	OJ990312_14.9819.C47
Gene No.	8118	Strand	+
Start	172	End	764
Name	OJ990312_14.9819.C47.o1.np	Method	AAT/NAP
Start	293	End	691
GI	140503	Score	680
Exons	293..691		
GI Descrip.	HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi|82518|pir||JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi|12041|emb|CAA33945| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|12061|emb|CAA33915| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|226660|prf||1603356CL trnI intron ORF 133 [Oryza sativa]		

Seq. No.	3829	Seq. ID	OJ990312_14.9819.C47
Gene No.	8118	Strand	+
Start	172	End	764
Name	OJ990312_14.9819.C47.o1.gs	Method	GENSCAN
Start	357	End	593
GI	none	Score	.4
Exons	357..370, 478..593		

Seq. No.	3829	Seq. ID	OJ990312_14.9819.C47
Gene No.	8118	Strand	+
Start	172	End	764
Name	OJ990312_14.9819.C47.o1.ts	Method	TBLASTX:Soybean
Start	586	End	764
GI	none	Score	193
Exons	586..729, 587..718, 708..758, 708..764, 709..762		

Seq. No.	3830	Seq. ID	OJ990312_14.9819.C48
Gene No.	8119	Strand	-
Start	1	End	672
Name	OJ990312_14.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	672
GI	140506	Score	1105
Exons	1..672		
GI Descrip.	PROBABLE INTRON MATURASE gi|82531|pir||JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi|11959|emb|CAA34008| (X15901) ORF542; ORF within trnK intron [Oryza sativa]		

gi|226626|prf||1603356B trnK intron ORF 542 [Oryza sativa]

Seq. No.	3830	Seq. ID	OJ990312_14.9819.C48
Gene No.	8119	Strand	-
Start	1	End	672
Name	OJ990312_14.9819.C48.o1.gs	Method	GENSCAN
Start	21	End	579
GI	none	Score	.53
Exons	21..579		

Seq. No.	3830	Seq. ID	OJ990312_14.9819.C48
Gene No.	8119	Strand	-
Start	1	End	672
Name	OJ990312_14.9819.C48.o1.tw	Method	TBLASTX:Wheat
Start	24	End	159
GI	none	Score	181
Exons	24..158, 32..157, 34..159		

Seq. No.	3830	Seq. ID	OJ990312_14.9819.C48
Gene No.	8119	Strand	-
Start	1	End	672
Name	OJ990312_14.9819.C48.o1.ts	Method	TBLASTX:Soybean
Start	31	End	580
GI	none	Score	103
Exons	31..231, 47..193, 238..312, 245..298, 301..432, 303..434, 319..435, 327..437, 449..580		

Seq. No.	3830	Seq. ID	OJ990312_14.9819.C48
Gene No.	8119	Strand	-
Start	1	End	672
Name	OJ990312_14.9819.C48.o1.tc	Method	TBLASTX:Cress
Start	166	End	580
GI	none	Score	83
Exons	166..306, 167..292, 280..432, 308..430, 327..437, 328..435, 465..578, 466..579, 467..580		

Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8120	Strand	+
Start	700	End	862
Name	OJ990312_14.9819.C49.o2.np	Method	AAT/NAP
Start	700	End	862
GI	132804	Score	279
Exons	700..862		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi|71300|pir||R5RZ23 ribosomal protein L23 - rice chloroplast gi|12031|emb|CAA33938| (X15901) ribosomal protein L23 [Oryza sativa] gi|12071|emb|CAA33923| (X15901) ribosomal protein L23 [Oryza sativa] gi|226652|prf||1603356CC ribosomal protein L23 [Oryza sativa]		

Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8121	Strand	-
Start	1	End	862
Name	OJ990312_14.9819.C49.o1.np	Method	AAT/NAP
Start	1	End	862
GI	6686165	Score	191
Exons	1..267, 821..862		

GI Descrip.	HYPOTHETICAL 269.6 KD PROTEIN YCF2 gi|5881737|dbj|BAA84428.1| (AP000423) ycf2 [Arabidopsis thaliana] gi|5881758|dbj|BAA84449.1| (AP000423) ycf2 [Arabidopsis thaliana]		
Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8121	Strand	-
Start	1	End	862
Name	OJ990312_14.9819.C49.o2.tc	Method	TBLASTX:Cress
Start	43	End	265
GI	none	Score	39
Exons	43..75, 44..76, 45..86, 71..220, 73..219, 73..234, 221..265, 226..261		
Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8121	Strand	-
Start	1	End	862
Name	OJ990312_14.9819.C49.o1.tw	Method	TBLASTX:Wheat
Start	419	End	849
GI	none	Score	214
Exons	419..565, 419..580, 586..660, 587..682, 588..674, 594..692, 679..849, 679..849		
Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8121	Strand	-
Start	1	End	862
Name	OJ990312_14.9819.C49.o1.ts	Method	TBLASTX:Soybean
Start	490	End	861
GI	none	Score	52
Exons	490..591, 586..648, 586..678, 587..682, 588..674, 662..859, 679..861, 679..861		
Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8121	Strand	-
Start	1	End	862
Name	OJ990312_14.9819.C49.o1.tc	Method	TBLASTX:Cress
Start	495	End	861
GI	none	Score	85
Exons	495..581, 497..580, 505..585, 586..660, 587..682, 588..674, 594..692, 679..861, 680..859, 681..860		
Seq. No.	3831	Seq. ID	OJ990312_14.9819.C49
Gene No.	8121	Strand	-
Start	1	End	862
Name	OJ990312_14.9819.C49.o1.tm	Method	TBLASTX:Maize
Start	617	End	861
GI	none	Score	374
Exons	617..859, 618..860, 619..861, 619..861		
Seq. No.	3832	Seq. ID	OJ990312_14.9819.C50
Gene No.	8122	Strand	+
Start	93	End	221
Name	OJ990312_14.9819.C50.o1.np	Method	AAT/NAP
Start	93	End	221
GI	131378	Score	125
Exons	93..221		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER Ń PROTEIN		

gi|2924272|emb|CAA77424| (Z00044) PSII N-protein [Nicotiana tabacum] gi|4322259|gb|AAD15982.1| (AF076770) PSII N protein [Corythophora alta] gi|5881722|dbj|BAA84413.1| (AP000423) PSII low MW protein [Arabidopsis thaliana]

Seq. No.	3832	Seq. ID	OJ990312_14.9819.C50
Gene No.	8123	Strand	-
Start	148	End	219
Name	OJ990312_14.9819.C50.o1.gp	Method	AAT/GAP
Start	148	End	219
GI	LIB3432-021-P1-K1-D12	Score	84
Exons	148..219		
GI Descrip.	'131375/sp|P12171|PSBN_ORYSA 2.0e-11 PHOTOSYSTEM II REACTION CENTER N PROTEIN >gi_72720_pir__F2RZN photosystem II protein psbN - rice chloroplast >gi_82632_pir__S14142 photosystem II protein psbN - wheat chloroplast >gi_100123_pir__S12130 photosystem II protein psbN - Appalachian evening primrose chloroplast >gi_100737_pir__JN0417 photosystem II protein psbN - rye chloroplast'		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8124	Strand	+
Start	534	End	753
Name	OJ990312_14.9819.C51.o2.np	Method	AAT/NAP
Start	534	End	753
GI	897640	Score	126
Exons	534..753		
GI Descrip.	(M10124) unknown protein [Nicotiana tabacum] gi|224352|prf||1102209F ORF 6 [Nicotiana sp.]		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8124	Strand	+
Start	534	End	753
Name	OJ990312_14.9819.C51.o1.gp	Method	AAT/GAP
Start	626	End	753
GI	2135_1.R1084	Score	240
Exons	626..753		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8125	Strand	-
Start	127	End	753
Name	OJ990312_14.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	60	End	753
GI	none	Score	42
Exons	60..101, 67..126, 73..126, 121..402, 121..642, 131..661, 629..715, 664..753, 672..752, 718..753		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8125	Strand	-
Start	127	End	753
Name	OJ990312_14.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	76	End	708
GI	none	Score	572
Exons	76..111, 131..631, 133..627, 667..708, 672..701		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8125	Strand	-
Start	127	End	753
Name	OJ990312_14.9819.C51.o1.tc	Method	TBLASTX:Cress
Start	124	End	535
GI	none	Score	441
Exons	124..534, 131..535, 161..535		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8125	Strand	-
Start	127	End	753
Name	OJ990312_14.9819.C51.o1.gs	Method	GENSCAN
Start	127	End	527
GI	none	Score	.96
Exons	127..527		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8125	Strand	-
Start	127	End	753
Name	OJ990312_14.9819.C51.o1.np	Method	AAT/NAP
Start	130	End	753
GI	114633	Score	624
Exons	130..528, 712..753		
GI Descrip.	ATP SYNTHASE B CHAIN (SUBUNIT I) gi|67930|pir||PWWT1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - wheat chloroplast gi|311717|emb|CAA26438| (X02595) CF-O subunit I [Triticum aestivum]		

Seq. No.	3833	Seq. ID	OJ990312_14.9819.C51
Gene No.	8125	Strand	-
Start	127	End	753
Name	OJ990312_14.9819.C51.o1.tw	Method	TBLASTX:Wheat
Start	198	End	643
GI	none	Score	505
Exons	198..548, 203..553, 213..551, 549..629, 557..643, 557..625, 559..642		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8126	Strand	-
Start	1	End	440
Name	OJ990312_14.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	440
GI	66182	Score	655
Exons	1..440		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - maize chloroplast gi|12424|emb|CAA31558| (X13159) ndhD gene product [Zea mays] gi|226550|prf||1601520C ndhD gene [Zea mays]		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8126	Strand	-
Start	1	End	440
Name	OJ990312_14.9819.C52.o1.gs	Method	GENSCAN
Start	16	End	115
GI	none	Score	.85
Exons	16..115		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52

Gene No.	8127	Strand	-
Start	518	End	753
Name	OJ990312_14.9819.C52.o2.tc	Method	TBLASTX:Cress
Start	7	End	233
GI	none	Score	58
Exons	7..90, 24..77, 31..111, 33..113, 112..225, 113..226, 113..226, 120..233, 159..233		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8127	Strand	-
Start	518	End	753
Name	OJ990312_14.9819.C52.o2.ts	Method	TBLASTX:Soybean
Start	24	End	258
GI	none	Score	58
Exons	24..77, 31..258, 33..251		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8127	Strand	-
Start	518	End	753
Name	OJ990312_14.9819.C52.o1.tc	Method	TBLASTX:Cress
Start	259	End	753
GI	none	Score	158
Exons	259..402, 261..401, 402..419, 489..578, 493..591, 500..577, 566..625, 572..751, 573..752, 573..752, 574..753		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8127	Strand	-
Start	518	End	753
Name	OJ990312_14.9819.C52.o1.ts	Method	TBLASTX:Soybean
Start	259	End	753
GI	none	Score	106
Exons	259..402, 265..399, 276..401, 401..442, 402..446, 494..751, 495..752, 495..752, 496..753		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8127	Strand	-
Start	518	End	753
Name	OJ990312_14.9819.C52.o2.np	Method	AAT/NAP
Start	518	End	753
GI	100633	Score	433
Exons	518..753		
GI Descrip.	photosystem I iron-sulfur protein - barley chloroplast		

Seq. No.	3834	Seq. ID	OJ990312_14.9819.C52
Gene No.	8127	Strand	-
Start	518	End	753
Name	OJ990312_14.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	566	End	753
GI	none	Score	272
Exons	566..625, 595..753, 596..751		

Seq. No.	3835	Seq. ID	OJ990312_14.9819.C53
Gene No.	8128	Strand	-
Start	1	End	357
Name	OJ990312_14.9819.C53.o1.np	Method	AAT/NAP
Start	1	End	357
GI	133726	Score	517

Exons	1..357		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S11 gi|70943|pir||R3RZ11 ribosomal protein S11 - rice chloroplast gi|12019|emb|CAA33980| (X15901) ribosomal protein S11 [Oryza sativa] gi|226640|prf||1603356BP ribosomal protein S11 [Oryza sativa]		
Seq. No.	3835	Seq. ID	OJ990312_14.9819.C53
Gene No.	8129	Strand	-
Start	535	End	743
Name	OJ990312_14.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	63	End	486
GI	none	Score	188
Exons	63..176, 64..180, 64..180, 178..405, 179..466, 181..402, 390..458, 407..484, 414..485, 469..486		
Seq. No.	3835	Seq. ID	OJ990312_14.9819.C53
Gene No.	8129	Strand	-
Start	535	End	743
Name	OJ990312_14.9819.C53.o1.ts	Method	TBLASTX:Soybean
Start	138	End	390
GI	none	Score	91
Exons	138..230, 139..309, 148..309, 289..390, 290..382, 294..383		
Seq. No.	3835	Seq. ID	OJ990312_14.9819.C53
Gene No.	8129	Strand	-
Start	535	End	743
Name	OJ990312_14.9819.C53.o2.tm	Method	TBLASTX:Maize
Start	503	End	743
GI	none	Score	339
Exons	503..742, 505..702, 524..742, 531..743		
Seq. No.	3835	Seq. ID	OJ990312_14.9819.C53
Gene No.	8129	Strand	-
Start	535	End	743
Name	OJ990312_14.9819.C53.o2.np	Method	AAT/NAP
Start	535	End	645
GI	132927	Score	194
Exons	535..645		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L36 gi|71364|pir||R5RZ36 ribosomal protein L36 - rice chloroplast gi|1363596|pir||S58585 ribosomal protein L36 - maize chloroplast gi|12020|emb|CAA33981| (X15901) ribosomal protein L36 [Oryza sativa] gi|342626 (M35956) 50S ribosomal protein (secX) [Zea mays] gi|902255|emb|CAA60319| (X86563) ribosomal protein L36 [Zea mays] gi|226641		
Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8130	Strand	+
Start	237	End	598
Name	OJ990312_14.9819.C54.o1.gs	Method	GENSCAN
Start	237	End	598
GI	none	Score	.71
Exons	237..293, 512..598		
Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8131	Strand	+
Start	585	End	752
Name	OJ990312_14.9819.C54.o2.np	Method	AAT/NAP

Start	585	End	752
GI	226661	Score	276
Exons	585..752		
GI Descrip.	trnA intron ORF 109 [Oryza sativa]		

Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8132	Strand	-
Start	138	End	752
Name	OJ990312_14.9819.C54.o1.ts	Method	TBLASTX:Soybean
Start	40	End	657
GI	none	Score	294
Exons	40..261, 41..265, 50..268, 54..281, 257..385, 260..394, 264..410, 267..389, 310..390, 379..585, 380..571, 387..575, 570..656, 570..656, 571..657, 571..657		

Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8132	Strand	-
Start	138	End	752
Name	OJ990312_14.9819.C54.o2.tc	Method	TBLASTX:Cress
Start	40	End	258
GI	none	Score	65
Exons	40..87, 46..87, 77..256, 85..258, 111..257		

Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8132	Strand	-
Start	138	End	752
Name	OJ990312_14.9819.C54.o1.gp	Method	AAT/GAP
Start	138	End	752
GI	688_1.R1084	Score	1203
Exons	138..752		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8132	Strand	-
Start	138	End	752
Name	OJ990312_14.9819.C54.o1.np	Method	AAT/NAP
Start	258	End	752
GI	320577	Score	176
Exons	258..433, 722..752		
GI Descrip.	pvs protein 1 - kidney bean mitochondrion gi|169320 (M64246) ORF-98; putative [Phaseolus vulgaris]		

Seq. No.	3836	Seq. ID	OJ990312_14.9819.C54
Gene No.	8132	Strand	-
Start	138	End	752
Name	OJ990312_14.9819.C54.o1.tc	Method	TBLASTX:Cress
Start	271	End	645
GI	none	Score	155
Exons	271..384, 273..383, 310..384, 380..574, 381..575, 382..585, 570..644, 570..644, 571..645		

Seq. No.	3837	Seq. ID	OJ990312_14.9819.C55
Gene No.	8133	Strand	
Start	414	End	686
Name	OJ990312_14.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	414	End	686

GI	none	Score	123
Exons	414..497, 414..497, 415..498, 491..628, 532..636, 596..685,	416..499, 447..626, 488..628, 618..686	

Seq. No.	3838	Seq. ID	OJ990312_14.9819.C56
Gene No.	8134	Strand	+
Start	1001	End	1135
Name	OJ990312_14.9819.C56.o1.gs	Method	GENSCAN
Start	1001	End	1135
GI	none	Score	.58
Exons	1001..1135		

Seq. No.	3838	Seq. ID	OJ990312_14.9819.C56
Gene No.	8135	Strand	+
Start	6274	End	7157
Name	OJ990312_14.9819.C56.o1.np	Method	AAT/NAP
Start	5771	End	7157
GI	4914386	Score	104
Exons	5771..5891, 6379..6565, 6732..6783, 7137..7157		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	3838	Seq. ID	OJ990312_14.9819.C56
Gene No.	8135	Strand	+
Start	6274	End	7157
Name	OJ990312_14.9819.C56.o3.gs	Method	GENSCAN
Start	6274	End	6678
GI	none	Score	.98
Exons	6274..6678		

Seq. No.	3838	Seq. ID	OJ990312_14.9819.C56
Gene No.	8136	Strand	-
Start	2214	End	4024
Name	OJ990312_14.9819.C56.o2.gs	Method	GENSCAN
Start	2214	End	4024
GI	none	Score	.64
Exons	2214..2416, 3726..3853, 3918..4024		

Seq. No.	3839	Seq. ID	OJ990312_14.9819.C59
Gene No.	8137	Strand	-
Start	230	End	475
Name	OJ990312_14.9819.C59.o1.gs	Method	GENSCAN
Start	230	End	475
GI	none	Score	.58
Exons	230..475		

Seq. No.	3840	Seq. ID	OJ990312_14.9819.C60
Gene No.	8138	Strand	-
Start	388	End	543
Name	OJ990312_14.9819.C60.o1.gs	Method	GENSCAN
Start	388	End	543
GI	none	Score	.81
Exons	388..543		

Seq. No.	3841	Seq. ID	OJ990312_14.9819.C61
Gene No.	8139	Strand	+
Start	643	End	693

Name	OJ990312_14.9819.C61.o1.gs	Method	GENSCAN
Start	643	End	693
GI	none	Score	.65
Exons	643..693		

Seq. No.	3842	Seq. ID	OJ990312_14.9819.C66
Gene No.	8140	Strand	+
Start	1	End	731
Name	OJ990312_14.9819.C66.o1.np	Method	AAT/NAP
Start	1	End	731
GI	3395938	Score	179
Exons	1..60, 142..215, 313..408, 710..731		
GI Descrip.	(AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	3842	Seq. ID	OJ990312_14.9819.C66
Gene No.	8140	Strand	+
Start	1	End	731
Name	OJ990312_14.9819.C66.o1.tc	Method	TBLASTX:Cress
Start	34	End	409
GI	none	Score	47
Exons	34..75, 139..216, 139..243, 310..408, 311..409, 341..409		

Seq. No.	3842	Seq. ID	OJ990312_14.9819.C66
Gene No.	8140	Strand	+
Start	1	End	731
Name	OJ990312_14.9819.C66.o1.tm	Method	TBLASTX:Maize
Start	34	End	409
GI	none	Score	46
Exons	34..60, 35..61, 136..225, 138..218, 314..409, 316..408		

Seq. No.	3842	Seq. ID	OJ990312_14.9819.C66
Gene No.	8140	Strand	+
Start	1	End	731
Name	OJ990312_14.9819.C66.o1.gs	Method	GENSCAN
Start	142	End	215
GI	none	Score	.69
Exons	142..215		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8141	Strand	+
Start	1385	End	4707
Name	OJ990312_11.9819.C1.o2.np	Method	AAT/NAP
Start	1385	End	4707
GI	6721512	Score	82
Exons	1385..1454, 2990..3091, 3119..3223, 4684..4707		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8142	Strand	+
Start	5325	End	8951
Name	OJ990312_11.9819.C1.o2.gs	Method	GENSCAN
Start	5325	End	7748
GI	none	Score	1
Exons	5325..7748		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1

Gene No.	8142	Strand	+
Start	5325	End	8951
Name	OJ990312_11.9819.C1.o3.np	Method	AAT/NAP
Start	5328	End	8827
GI	3445397	Score	1864
Exons	5328..7693, 8745..8827		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8142	Strand	+
Start	5325	End	8951
Name	OJ990312_11.9819.C1.o1.gp	Method	AAT/GAP
Start	8653	End	8951
GI	uC-osflcyp138d02a1	Score	598
Exons	8653..8951		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8143	Strand	-
Start	570	End	3766
Name	OJ990312_11.9819.C1.o1.gs	Method	GENSCAN
Start	570	End	3766
GI	none	Score	.57
Exons	570..1205, 1276..1387, 1531..3028, 3456..3523, 3747..3766		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8143	Strand	-
Start	570	End	3766
Name	OJ990312_11.9819.C1.o1.np	Method	AAT/NAP
Start	933	End	2780
GI	6721562	Score	452
Exons	933..1625, 1866..2223, 2580..2780		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	1140	End	1538
GI	none	Score	100
Exons	1140..1415, 1189..1410, 1374..1487, 1380..1463, 1384..1476, 1488..1538		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	5469	End	7709
GI	none	Score	89
Exons	5469..5639, 5768..5854, 5769..5798, 5931..6044, 5945..6043, 6081..6332, 6378..6515, 6720..6914, 6794..6883, 6896..7459, 6897..7427, 7467..7709, 7469..7654		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	6021	End	6422
GI	none	Score	94
Exons	6021..6149, 6026..6148, 6156..6422, 6197..6415		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	6143	End	6543
GI	none	Score	117
Exons	6143..6388, 6155..6376, 6156..6542, 6195..6542, 6226..6543		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	6786	End	7087
GI	none	Score	142
Exons	6786..6902, 6788..6901, 6897..7085, 6899..7087		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	6792	End	7238
GI	none	Score	344
Exons	6792..7097, 6794..7087, 6798..7097, 7086..7238, 7091..7237		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	6956	End	7370
GI	none	Score	117
Exons	6956..7111, 6957..7109, 7094..7270, 7104..7307, 7308..7370		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	7088	End	7700
GI	none	Score	437
Exons	7088..7426, 7101..7430, 7104..7427, 7461..7700, 7469..7654		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	7299	End	7733
GI	none	Score	163
Exons	7299..7427, 7299..7427, 7536..7682, 7542..7733		

Seq. No.	3843	Seq. ID	OJ990312_11.9819.C1
Gene No.	8144	Strand	-
Start	8479	End	9164
Name	OJ990312_11.9819.C1.o3.gs	Method	GENSCAN
Start	8479	End	9164
GI	none	Score	.73
Exons	8479..8489, 9026..9164		

Seq. No.	3844	Seq. ID	OJ990312_11.9819.C3
Gene No.	8145	Strand	+
Start	1	End	3141
Name	OJ990312_11.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	3120
GI	4680204	Score	781
Exons	1..855, 947..2040, 2129..2302, 2392..2527, 2924..3120		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	3844	Seq. ID	OJ990312_11.9819.C3
Gene No.	8145	Strand	+
Start	1	End	3141
Name	OJ990312_11.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	180	End	519
GI	none	Score	165
Exons	180..329, 181..348, 343..483, 402..482, 487..519		

Seq. No.	3844	Seq. ID	OJ990312_11.9819.C3
Gene No.	8145	Strand	+
Start	1	End	3141
Name	OJ990312_11.9819.C3.o1.gs	Method	GENSCAN
Start	202	End	3141
GI	none	Score	.55
Exons	202..855, 947..1158, 1227..1359, 1583..2040, 2129..2302, 2772..2862, 2962..3141		

Seq. No.	3844	Seq. ID	OJ990312_11.9819.C3
Gene No.	8145	Strand	+
Start	1	End	3141
Name	OJ990312_11.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	787	End	1159
GI	none	Score	61
Exons	787..858, 941..1159, 943..1014		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8146	Strand	+
Start	75	End	916
Name	OJ990312_11.9819.C4.o1.gs	Method	GENSCAN
Start	75	End	916
GI	none	Score	.45
Exons	75..109, 440..589, 871..916		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	4200
GI	3337367	Score	337
Exons	1..48, 882..1080, 1226..1273, 1398..1480, 2009..2422, 4171..4200		

GI Descrip. (AC004481) hypothetical protein [Arabidopsis thaliana]

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	870	End	1281
GI	none	Score	155
Exons	870..1082, 910..1083, 1228..1281		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o2.gs	Method	GENSCAN
Start	1620	End	3983
GI	none	Score	.69
Exons	1620..1629, 1983..2104, 2224..2286, 2318..2485, 3782..3983		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	2004	End	2308
GI	none	Score	95
Exons	2004..2093, 2006..2095, 2006..2098, 2086..2136, 2169..2216, 2173..2304, 2204..2308, 2207..2305		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o2.np	Method	AAT/NAP
Start	3181	End	4228
GI	4006833	Score	255
Exons	3181..4075, 4195..4228		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	3203	End	3670
GI	none	Score	98
Exons	3203..3301, 3308..3670, 3320..3631, 3324..3659		

Seq. No.	3845	Seq. ID	OJ990312_11.9819.C4
Gene No.	8147	Strand	-
Start	1	End	4228
Name	OJ990312_11.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3488	End	4075
GI	none	Score	132
Exons	3488..3514, 3545..3670, 3662..4075, 3681..4070		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8148	Strand	+
Start	54	End	432
Name	OJ990312_11.9819.C5.o1.gs	Method	GENSCAN

Start	54	End	432
GI	none	Score	.47
Exons	54..87, 215..432		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8149	Strand	+
Start	5547	End	9404
Name	OJ990312_11.9819.C5.o3.gs	Method	GENSCAN
Start	5547	End	8303
GI	none	Score	.59
Exons	5547..5555, 5681..5971, 6114..6202, 6214..6618, 8016..8102, 8288..8303		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8149	Strand	+
Start	5547	End	9404
Name	OJ990312_11.9819.C5.o2.np	Method	AAT/NAP
Start	5720	End	9404
GI	6692734	Score	600
Exons	5720..5971, 6075..6618, 8016..8105, 9359..9404		
GI Descrip.	(AC012679) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8150	Strand	-
Start	2763	End	5694
Name	OJ990312_11.9819.C5.o1.np	Method	AAT/NAP
Start	2763	End	5694
GI	6498436	Score	599
Exons	2763..2892, 3147..3454, 5672..5694		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8151	Strand	-
Start	9071	End	9328
Name	OJ990312_11.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	164	End	6179
GI	none	Score	51
Exons	164..229, 164..214, 236..256, 236..256, 337..387, 344..379, 419..499, 5798..5974, 5798..5899, 5815..5973, 5953..5979, 6078..6152, 6078..6179, 6079..6153		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8151	Strand	-
Start	9071	End	9328
Name	OJ990312_11.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	6074	End	8100
GI	none	Score	94
Exons	6074..6145, 6078..6152, 6224..6616, 6233..6349, 6398..6481, 8005..8100		

Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8151	Strand	-
Start	9071	End	9328
Name	OJ990312_11.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	6203	End	6538
GI	none	Score	243

Exons	6203..6538		
Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8151	Strand	-
Start	9071	End	9328
Name	OJ990312_11.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	6254	End	6618
GI	none	Score	437
Exons	6254..6616, 6254..6529, 6484..6618		
Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8151	Strand	-
Start	9071	End	9328
Name	OJ990312_11.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	6434	End	8240
GI	none	Score	204
Exons	6434..6616, 6437..6616, 6493..6618, 8017..8100, 8028..8102, 8169..8240		
Seq. No.	3846	Seq. ID	OJ990312_11.9819.C5
Gene No.	8151	Strand	-
Start	9071	End	9328
Name	OJ990312_11.9819.C5.o4.gs	Method	GENSCAN
Start	9071	End	9328
GI	none	Score	.98
Exons	9071..9328		
Seq. No.	3847	Seq. ID	OJ990312_11.9819.C6
Gene No.	8152	Strand	-
Start	24	End	1204
Name	OJ990312_11.9819.C6.o1.gs	Method	GENSCAN
Start	24	End	1204
GI	none	Score	.71
Exons	24..212, 268..432, 749..862, 1070..1204		
Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8153	Strand	+
Start	2771	End	4189
Name	OJ990312_11.9819.C7.o1.np	Method	AAT/NAP
Start	2771	End	3558
GI	3337367	Score	320
Exons	2771..3009, 3165..3283, 3433..3558		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8153	Strand	+
Start	2771	End	4189
Name	OJ990312_11.9819.C7.o1.gs	Method	GENSCAN
Start	2820	End	4189
GI	none	Score	.78
Exons	2820..3009, 3107..3182, 3612..3676, 4077..4189		
Seq. No.	3848	Seq. ID	OJ990312_11.9819.C7
Gene No.	8154	Strand	+
Start	4990	End	14978
Name	OJ990312_11.9819.C7.o2.gs	Method	GENSCAN
Start	4990	End	13382